

Summary of Operations and Performance of the Murdock Site Restoration Project in 2007

Environmental Science Division



United States Department of Agriculture

Work sponsored by Commodity Credit Corporation,
United States Department of Agriculture

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by
Applied Geosciences and Environmental Management Section
Environmental Science Division, Argonne National Laboratory

March 2008



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Notation

AGEM	Applied Geosciences and Environmental Management
BGL	below ground level
CCC	Commodity Credit Corporation
CD	compact disc
d	day(s)
DO	dissolved oxygen
EPA	U.S. Environmental Protection Agency
Fe ²⁺	reduced iron
ft	foot (feet)
gal	gallon(s)
gpm	gallon(s) per minute
GWEX	groundwater extraction well
hr	hour(s)
in.	inch(es)
µg/kg	microgram(s) per kilogram
µg/L	microgram(s) per liter
µg/m ³	microgram(s) per cubic meter
MRL	minimal risk level
NDEQ	Nebraska Department of Environmental Quality
O&M	operating and maintenance
ORP	oxidation-reduction potential
USDA	U.S. Department of Agriculture
VOC	volatile organic compound
yr	year(s)

Summary of Operations and Performance of the Murdock Site Restoration Project in 2007

Executive Summary

This document reports on the performance in calendar year 2007 of the remediation systems installed by the Commodity Credit Corporation of the U.S. Department of Agriculture (CCC/USDA) at Murdock, Nebraska. The data presented here indicate that the remediation systems are functioning successfully as designed. Specific indicators of this success are as follows:

- Seasonal operation of the upgradient groundwater extraction well is continuing to capture elevated concentrations of carbon tetrachloride near the location of the former CCC/USDA grain storage facility. The water is treated by spray irrigation equipment and is beneficially reused to improve the quality of the local school's athletic fields. The treated spray has consistently met the established compliance criteria. This part of the remediation system saw limited operation during 2007, because unusually heavy rainfall prevented the school from accepting the discharged spray at times.
- Uptake of carbon tetrachloride and chloroform by the planted stand of some 2,000 trees has been confirmed through the seasonal detection of these contaminants in branch tissues. The concentrations detected are increasing, as is the areal extent of demonstrated contaminant uptake.
- Uptake of carbon tetrachloride and chloroform has been observed in deep-rooted, native-type grasses planted in the phytoremediation area.
- Carbon tetrachloride levels in surface waters decrease rapidly along the flow path through the phytoremediation and wetlands treatment areas. The surface water discharged from the treatment system has consistently met the established compliance criteria.
- No carbon tetrachloride has been detected in ambient air encountered by workers and visitors in the phytoremediation and wetlands treatment areas.

Noteworthy results regarding the performance of the remediation systems at Murdock during the current review period include the following:

- The groundwater extraction well, in its limited operation in view of high rainfall levels in 2007, pumped approximately 142,000 gal of groundwater for treatment. The pumping rate averaged approximately 29 gpm in 2007.
- Distinct seasonal fluctuations in groundwater levels were observed in 2007 at all monitoring locations in the phytoremediation area. The fluctuations appeared to be linked to diurnal effects of groundwater “pumping” by the phytoremediation plantings and nearby crops. Limited estimates based on measurements of discharge from the wetlands suggest that this effect reduced net surface water flow by 15-20 gpm during peak daily water usage at the height of the growing season.
- Significant tree growth in 2007 indicates the potential for substantial water treatment by the combined phytoremediation and wetlands systems. Averaged over 24 hr, the estimated peak uptake (and treatment) by the vegetation in these areas (15-20 gpm) would amount to 21,600-28,800 gal/d during the active growing season, or approximately 3.24-5.18 million gallons in an active growing season of 150-180 days.
- The estimate above for the volume of water treated by the phytoremediation and wetlands systems during an active growing season represents the potential reduction in water flow by the treatment systems. This estimate is based on empirical data generated by the recording devices at the wetlands outflow. Additional measurement capabilities in the future will enable calculation of a mass balance for water entering and leaving the treatment systems.
- The increased ratio of chloroform to carbon tetrachloride observed in plant tissues versus groundwater suggests that carbon tetrachloride degradation is occurring in the phytoremediation system. The degradation could be associated with the plant tissue activity, microbial activity in the root zones of the plantings, or both.

- Geochemical data suggest that slightly more reducing conditions developed in the Murdock aquifer during the 2007 growing season. Such conditions might stimulate the localized degradation of carbon tetrachloride in the subsurface. Follow-up work will be needed to confirm this finding.
- Dramatic increases in carbon tetrachloride concentrations in groundwater in three wells with shallow completions in the upgradient (headwaters) portion of the phytoremediation area might reflect the movement of more highly contaminated water from the deeper portion of the aquifer into the shallower portion at these locations, in association with an observed rise in groundwater levels due to heavy rainfall.
- A significant concentration of carbon tetrachloride was found in a sample of a deep-rooted, native-type grass in the area where elevated concentrations were also found in shallow groundwater and branch tissues. This finding indicates that the cover crop may be aiding in the remediation process, as intended. Follow-up work will be needed to confirm this finding.
- Carbon tetrachloride was consistently measured, often at elevated concentrations, in branch tissues of cottonwoods planted where the depth to groundwater is greatest. These results suggest that the roots of these trees have reached the contaminant plume. Limited follow-up sampling in October 2007 confirmed the July 2007 findings.
- Heavy precipitation raised the groundwater levels at Murdock in 2007. This precipitation also fostered abundant growth of the phytoremediation plantings and might have placed groundwater within reach of the developing root systems. The effects of potentially receding water levels in the upcoming 2008 growing season will bear close observation. If the levels do not fall precipitously, root growth is expected to adapt without stress to the plantings.

1 Introduction

This document summarizes the performance of the groundwater and surface water restoration systems installed by the Commodity Credit Corporation of the U.S. Department of Agriculture (CCC/USDA) at the former CCC/USDA grain storage facility in Murdock, Nebraska, during the second full year of system operation, from January 1 through December 31, 2007. Performance in June 2005 through December 2006 was reported previously (Argonne 2007).

In the Murdock project, several innovative technologies are being used to remove carbon tetrachloride contamination from a shallow aquifer underlying the town, as well as from water naturally discharged to the surface at the headwaters of a small creek (a tributary to Pawnee Creek) north of the town (Figure 1.1). The restoration activities at Murdock are being conducted by the CCC/USDA as a non-time-critical removal action under the regulatory authority and supervision of the U.S. Environmental Protection Agency (EPA), Region VII. Argonne National Laboratory assisted the CCC/USDA by providing technical oversight for the restoration effort and facilities during this review period.

Included in this report are the results of all sampling and monitoring activities performed in accord with the EPA-approved *Monitoring Plan* for this site (Argonne 2006), as well as additional investigative activities conducted during the review period.

The annual performance reports for the Murdock project assemble information that will become part of the five-year review and evaluation of the remediation effort. This review will occur in 2010.

This document presents overviews of the treatment facilities (Section 2) and site operations and activities (Section 3), then describes the groundwater, surface water, vegetation, and atmospheric monitoring results (Section 4) and modifications and costs during the review period (Section 5). Section 6 summarizes the current period of operation. A gallery of photographs of the Murdock project is in Appendix A. A brief videorecording of the trees in high-wind conditions is on the compact disc (CD) inside the back cover of this document.

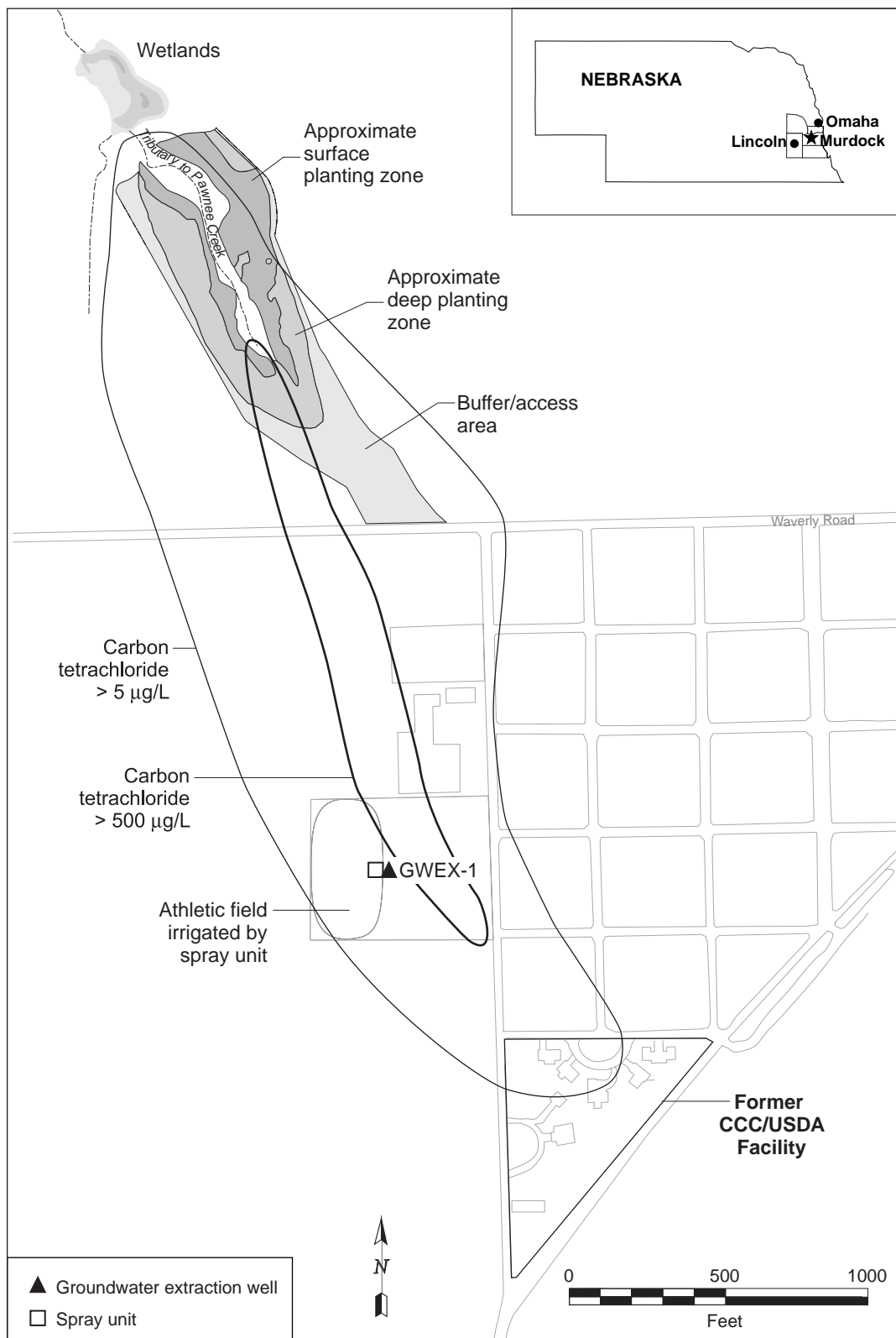


FIGURE 1.1 Locations of Murdock, Nebraska, the carbon tetrachloride plume in groundwater, and the treatment facilities.

2 Overview of the Treatment Facilities at Murdock

The removal action implemented at Murdock employs several innovative technologies in sequence along the contaminant migration pathway to decrease carbon tetrachloride levels in groundwater and in water naturally discharged to the surface at the headwaters of the tributary creek. The principal elements of this restoration approach are described below. The facilities include (1) a groundwater extraction well and spray irrigation treatment system, (2) a phytoremediation and buffer vegetation planting area, and (3) constructed wetlands (Figure 2.1).

2.1 Well GWEX-1 and the Spray Irrigation Treatment Unit

Groundwater extraction well GWEX-1 (Figure 2.1) removes contaminated groundwater from the upgradient, more concentrated portion of the carbon tetrachloride plume, before the high contaminant concentrations reach the headwaters of the tributary creek. A specially designed mobile spray treatment unit (Figure 2.2) is used simultaneously to volatilize carbon tetrachloride from the produced groundwater and irrigate property owned by the Elmwood-Murdock Public School system.

Well GWEX-1 is operated seasonally, subject to local weather conditions and the irrigation needs of the school system. Routine operation of the well and spray unit is performed by representatives of the school system, under Argonne supervision.

2.2 Phytoremediation and Buffer Plantation Area

Selected vegetation types planted in the headwaters area of the tributary creek reduce carbon tetrachloride concentrations in the relatively shallow groundwater and surface waters via phytoremediation processes. Some 2,000 trees representing six species (Niobe willow, black willow, eastern cottonwood, hybrid poplar, green ash, and northern catalpa) cover an area of approximately 4.5 acres (Figure 2.1). Removal of the carbon tetrachloride occurs as a result of uptake, transpiration, and volatilization of the contaminated groundwater by the trees and degradation of the carbon tetrachloride within the plant tissues, as well as via enhanced microbial activity in the root zone created by the plantings. At locations where the static groundwater level is typically more than 4-5 ft below ground level (BGL) — in the “deep” planting zone (Figure 2.1) — a special technique was used to plant the trees in 24-in.-diameter boreholes lined

with plastic sleeves. This TreeWell[®] technique (<http://www.treemediation.com/>) limits the availability of shallow soil water and direct precipitation to the trees, and hence it promotes vertical root growth and uptake of the deeper contaminated groundwater. In the remaining “surface” planting zone (Figure 2.1), the trees were installed without borehole liners to give the roots access to contaminated groundwater typically encountered at depths of less than 4 ft BGL.

Additional vegetation, including a mixture of native prairie grasses, wildflowers, and other species (Table 2.1), was planted between the trees and in the adjacent areas (Figure 2.1). These cover plantings (1) enhance erosion control, (2) intercept local precipitation and runoff and hence promote the uptake of deeper contaminated groundwater by the trees, (3) help protect the trees from physical damage, (4) provide a transitional buffer zone between the tree planting areas and the surrounding croplands, and (5) create a barrier to herbicide drift.

2.3 Constructed Wetlands Area

Shallow wetlands constructed downstream from the main planting area provide an additional phytoremediation “polishing” stage for the water discharged to the tributary creek (Figure 2.1). In the wetlands, surface water flow is directed through a sequence of shallow ponds of various depths before it returns to the natural tributary creek channel via an adjustable water control structure. By increasing the residence time and surface exposure area of the flow entering the downstream portion of the tributary, the wetlands promote further carbon tetrachloride evaporation and degradation by water-loving plants and associated microbes.

2.4 Monitoring Well Network

A suite of 19 permanent monitoring wells established at the Murdock restoration site facilitates sampling of the groundwater for volatile organic compounds (VOCs) analyses and for the measurement of selected geochemical parameters indicative of possible contaminant degradation within the aquifer (Figure 2.3; see also Section 4.3.3.2). At each location, wells have been installed either individually or as clusters screened to permit sampling from multiple vertical intervals through the saturated zone. Construction information for these wells is in the *Monitoring Plan* (Appendix A in Argonne 2006).

Groundwater levels are measured automatically and continuously, at 4-hr intervals, for wells in both the phytoremediation and upgradient areas. The measurements are made by downhole pressure transducers and data loggers installed at 16 locations along the contaminant migration pathway. These locations are highlighted in Figure 2.3.

TABLE 2.1 Plantings in the Murdock phytoremediation and wetlands areas.

Common Name	Scientific Name	Common Name	Scientific Name
<i>Buffer, Upland, and Tree Area Seeding</i>		<i>Wetlands Seeding</i>	
Big Bluestem	<i>Andropogon gerardii</i>	Alumroot	<i>Heuchera richardsonii</i>
Indiangrass	<i>Sorghastrum nutans</i>	Aster, New England	<i>Aster novae-angliae</i>
Switchgrass	<i>Panicum virgatum</i>	Aster, Silky	<i>Aster sericeus</i>
Little Bluestem	<i>Schizachyrium scoparium</i>	Aster, Swamp	<i>Aster puniceus</i>
Sideoats Grama	<i>Bouteloua curtipendula</i>	Blackeyed Susan, Sweet	<i>Rudbeckia subtomentosa</i>
Western Wheatgrass	<i>Agropyron smithii</i>	Blue Flag Iris	<i>Iris versicolor</i>
Virginia Wildrye	<i>Elymus virginicus</i>	Blue Vervain	<i>Verbena hastate</i>
Blue Grama	<i>Bouteloua gracilis</i>	Boneset	<i>Eupatorium perfoliatum</i>
Buffalograss	<i>Buchloe dactyloides</i>	Bottle Gentian	<i>Gentiana andrewsii</i>
Canada Wildrye	<i>Elymus Canadensis</i>	Cardinal Flower	<i>Lobelia cardinalis</i>
Hard Fescue	<i>Festuca longifolia</i>	Coreopsis, Tall	<i>Coreopsis tripteris</i>
Sheep Fescue	<i>Festuca ovina</i>	Duck Potato	<i>Sagittaria latifolia</i>
Annual Ryegrass	<i>Lolium multiflorum</i>	False Dragonhead	<i>Physostegia virginiana</i>
		Fowl Mannagrass	<i>Glyceria striata</i>
Baby's Breath	<i>Gypsophila elegans</i>	Great Blue Lobelia	<i>Lobelia siphilitica</i>
Blackeyed Susan	<i>Rudbeckia hirta</i>	Great Angelica	<i>Angelica atropurpurea</i>
Blanket Flower	<i>Gaillardia aristata</i>	Joe Pye Weed	<i>Eupatorium maculatum</i>
Blue Flax	<i>Linum lewisii</i>	Marsh Betony	<i>Stachys palustris</i>
California Poppy	<i>Eschscholzia californica</i>	Marsh Blazing Star	<i>Liatris spicata</i>
Clarkia	<i>Clarkia amoena</i>	Marsh Milkweed	<i>Asclepias incarnata</i>
Clasping Coneflower	<i>Rudbeckia amplexicaulis</i>	Nodding Bur Marigold	<i>Bidens cernua</i>
Cornflower	<i>Centaurea cyanus</i>	Primrose, Showy	<i>Oenothera speciosa</i>
Corn Poppy	<i>Papaver rhoeas</i>	Evening	
Dwarf Red Coreopsis	<i>Coreopsis tinctoria, red</i>	Sneezeweed	<i>Helenium autumnale</i>
Illinois Bundleflower	<i>Desmanthus illinoensis</i>		
Indian Blanket	<i>Gaillardia pulchella</i>	Blue Joint Grass	<i>Calamagrostis canadensis</i>
Lance Leaved	<i>Coreopsis lanceolata</i>	Bulrush, Hardstem	<i>Scirpus acutus</i>
Coreopsis		Bulrush, Dark Green	<i>Scirpus atrovirens</i>
Lead Plant	<i>Amorpha canescens</i>	Bulrush, Softstem	<i>Scirpus validus</i>
Lemon Mint	<i>Monarda citriodora</i>	Bur Reed	<i>Sparganium eurycarpum</i>
Mexican Red Hat	<i>Ratibida columnifera, red</i>	Rush, Inland	<i>Juncus interior</i>
Coneflower		Rush, Creeping Spike	<i>Eleocharis palustris</i>
Missouri Primrose	<i>Oenothera missouriensis</i>	Rush, Spike	<i>Eleocharis calva</i>
Partridgepea	<i>Cassia chamaecrista</i>	Rush, Soft	<i>Juncus effuses</i>
Purple Prairieclover	<i>Petalostemum or Dalea purpurea</i>	Sedge, Bebb's	<i>Carex bebbii</i>
		Sedge, Bristly	<i>Carex comosa</i>
Plains Coreopsis	<i>Coreopsis tinctoria</i>	Sedge, Long Beaked	<i>Carex sprengei</i>
Perennial Lupine	<i>Lupinus perennis</i>	Sedge, Porcupine	<i>Carex hystericina</i>
Purple Coneflower	<i>Echinacea purpurea</i>	Sedge, Three Way	<i>Dulichium arundinaceum</i>
Rosy Red Yarrow	<i>Achillea millefolium, rubra</i>	Sedge, Tussock	<i>Carex stricta</i>
Shasta Daisy	<i>Chrysanthemum maximum</i>	Woolgrass	<i>Scirpus cyperinus</i>
Upright Coneflower	<i>Ratibida columnifera</i>	<i>Wetlands Transplanting</i>	
Catchfly	<i>Silene aemeria</i>	Broadleaf Arrowhead	<i>Sagittaria latifolia</i>
Drummond Phlox	<i>Phlox drummondii</i>	Bulrush, Green	<i>Scirpus atrovirens</i>
Siberian Wallflower	<i>Cheiranthus allioni</i>	Bulrush, Hardstem	<i>Scirpus acutus</i>
Scarlet Flax	<i>Linum grandiflorum rubrum</i>	Bulrush, River	<i>Scirpus fluviatilis</i>
		Bulrush, Softstem	<i>Scirpus validus</i>
Alfalfa	<i>Medicago sativa</i>	Flatstem Spikerush	<i>Eleocharis compressa</i>
Red Clover	<i>Trifolium pratense</i>		

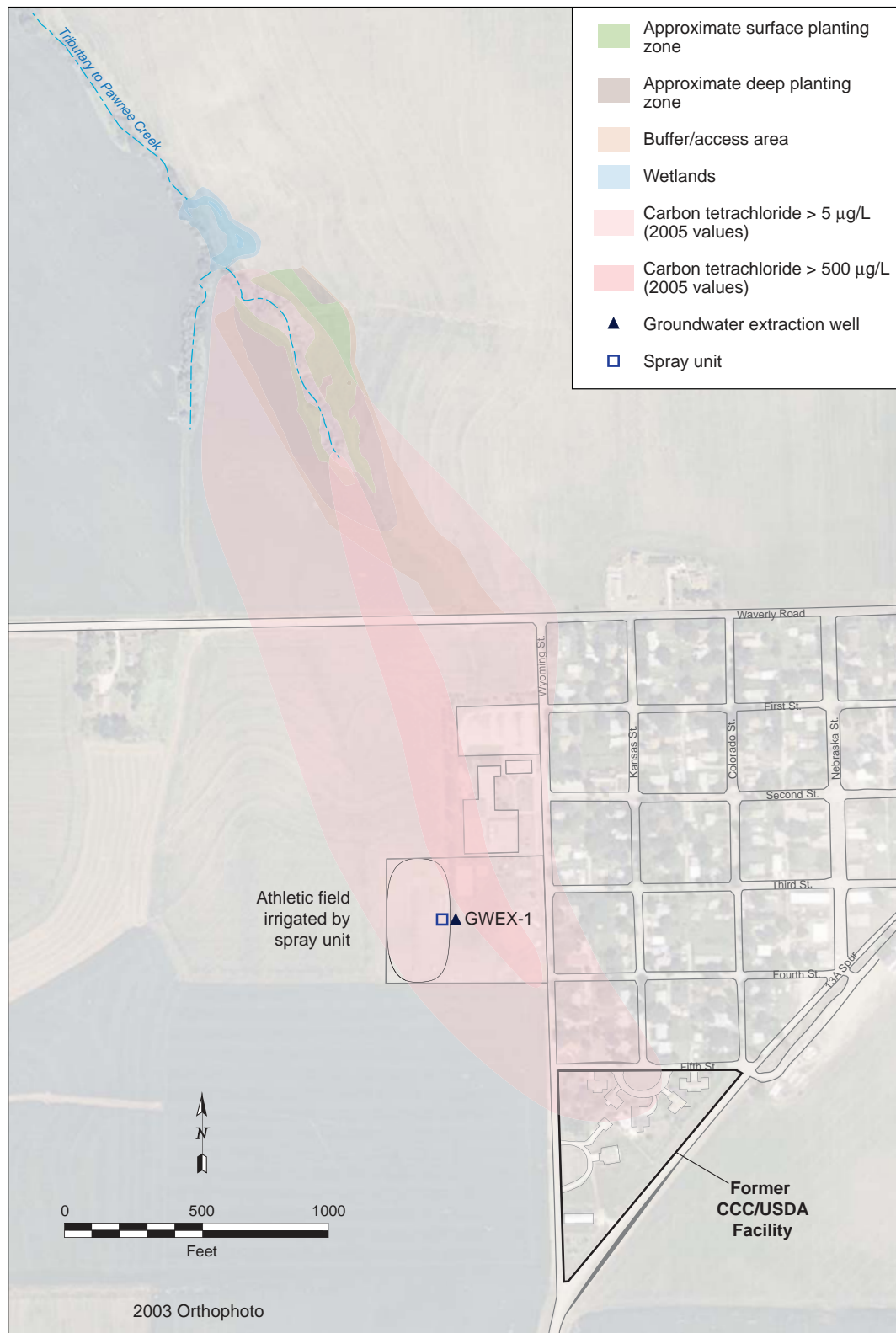


FIGURE 2.1 Locations of the GWEX-1 well at Murdock, the spray irrigation treatment area, the shallow and deep phytoremediation planting areas, the constructed wetlands, the former CCC/USDA grain storage facility, and the carbon tetrachloride plume in groundwater.



FIGURE 2.2 Specially designed mobile spray treatment unit on the athletic field at Murdock.

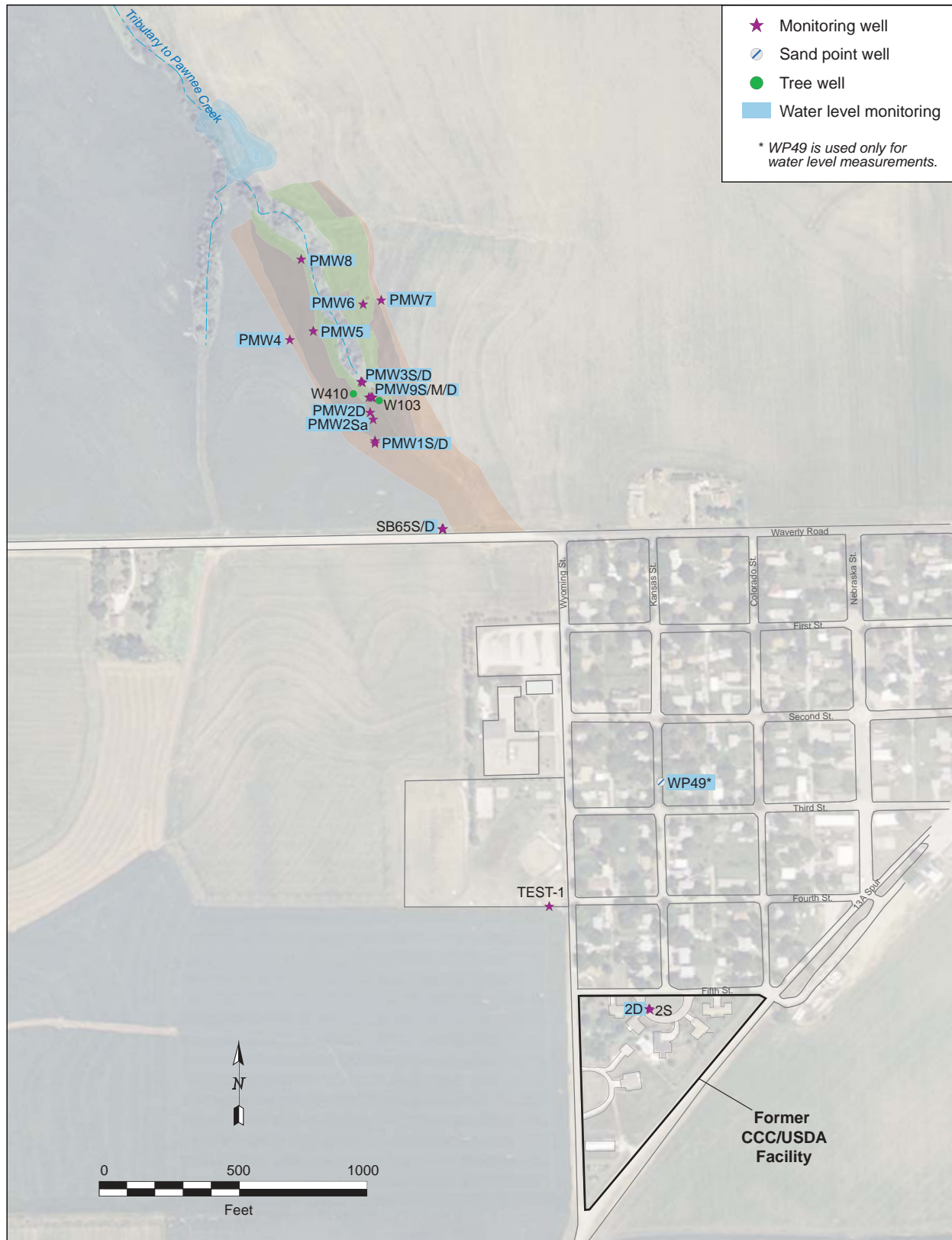


FIGURE 2.3 Distribution of the 19 monitoring wells used for twice yearly groundwater sampling and the 16 wells used for water level monitoring at Murdock.

3 Overview of System Operations and Site Activities

This section briefly summarizes the operations and related activities at the Murdock restoration site during the review period.

3.1 GWEX-1 and the Spray Irrigation Treatment Unit

Well GWEX-1 was installed on August 2, 2004. Pilot testing was carried out in October 2004 to determine the well's sustainable production capacity and to demonstrate the viability of the spray irrigation treatment technology at this site (Argonne 2006). With the approval of the EPA, the use of GWEX-1 and the spray irrigation treatment unit as one component of the removal action at Murdock began in 2005.

The extraction well was pumped during the current review period at an approximate rate of 29 gpm, to maintain a critical operating pressure for the spray irrigation treatment unit. Routine operation of GWEX-1 and the spray treatment unit (for watering of the Elmwood-Murdock Public School system property) began in early July and was discontinued, ending the irrigation season, on September 12, 2007. Use of GWEX-1 and the spray treatment unit was relatively limited during this period because of unusually high rainfalls and hence wet surface conditions at Murdock throughout much of the late spring and summer.

During the seasonal operating period, samples of the untreated groundwater and the treated effluent from the spray irrigation unit are collected quarterly for VOCs analyses (Argonne 2006). One monitoring event occurred during the present review period, on September 12, 2007. The analytical results are discussed in Section 4.2.

3.2 Phytoremediation and Buffer Areas

Planting of trees in the main phytoremediation area was performed in April and May 2005. Results of preliminary sampling during baseline studies in the phytoremediation area in July 2005 indicated that the plantings had already begun taking up carbon tetrachloride from the contaminated groundwater and surface waters at that time. Monitoring of vegetation in the phytoremediation planting area in accord with the EPA-approved *Monitoring Plan* (Argonne

2006) began in August 2005. All required planting in the phytoremediation and buffer zone areas was completed in spring 2006.

The Murdock area experienced a spring frost in early April 2007 that affected the early seasonal growth of many of the trees in the phytoremediation area, particularly the Niobe willows (which were already leafing out). The low temperatures caused the loss of newly emerging leaves and, in some cases, blackening of the outer portions of smaller branches and twigs. Though all trees recovered, the emergence of new leaves and branches from the main trunks and the proximal portions of branches caused many trees to develop a more shrub-like appearance (Figure 3.1).

Unusually high rainfalls throughout the late spring and much of the summer of 2007 at Murdock raised groundwater levels and increased surface runoff to the tributary creek. Shallow flooding of the land surface was consequently observed in the phytoremediation area throughout much of 2007 (late spring through the end of the review period). Locally pooled surface water as much as several inches deep, flowing groundwater seepage, and surface runoff were persistently noted, particularly in the western and central portions of the shallow planting area near the headwaters of the tributary creek and along both sides of the tributary creek in the more downstream portion of the shallow planting area.

As a result of the unusually wet conditions, the following specific activities were conducted to monitor and maintain the health of the plantings and the integrity of the visitor amenities in the phytoremediation area:

- Evidence of surface erosion was noted at the headwaters of the tributary creek (and in the wetlands; see Section 3.3) in response to heavy rains occurring before the ground cover species in the phytoremediation and buffer areas and the crops in the adjacent agricultural fields could begin significant seasonal growth. Consequently, the potential need for supplemental erosion control near the tributary creek was evaluated through periodic observations at selected locations in the phytoremediation area during the remainder of the review period. (No additional control measures were implemented.)

- The phytoremediation planting area was inspected frequently throughout the growing season for possible indicators of plant stress or other detrimental conditions associated with the wet surface environment.
- Mowing, trimming, and weeding were conducted in June and July 2007 to control overabundant growth of the ground cover species in the phytoremediation area and to facilitate access to the trees for vegetation sampling and monitoring.
- Temporary support was provided (Figure 3.2) for a number of trees that began to lean unacceptably during the late spring and summer of 2007 because of soft soil conditions that developed in several areas of persistent standing surface water.
- To minimize surface water drainage across the gravel walking path, additional drainage conduits were installed beneath the path. In addition, the path was regraded to raise its level at several locations in the southern portion of the phytoremediation area.

Twice yearly vegetation sampling (for VOCs analyses) from a representative suite of trees in the phytoremediation area, on an approximate grid pattern, was recommended in the approved *Monitoring Plan* (Argonne 2006) to assess the seasonal uptake of groundwater and carbon tetrachloride by the plantings. Vegetation sampling was proposed (1) in early spring, before the onset of significant plant growth, and (2) in late summer or early fall, at the peak or near the end of the growth cycle.

Vegetation sampling was conducted during the current review period as follows:

- April 4-5, 2007 — partial sampling for a subset of the grid locations identified in the *Monitoring Plan* (Argonne 2006) and selected preexisting native and background trees, to determine contaminant levels while the trees were dormant.

- July 23-25, 2007 — primary annual sampling for approximately the full grid pattern, as well as for preexisting native and background trees, to indicate contaminant uptake by the trees at the peak of the growing season.
- August 1-23, 2007 — time series sampling in four weekly events at six locations in the southwestern portion of the phytoremediation area, to investigate possible short-term fluctuations in contaminant levels during the period of peak water uptake.
- October 10, 2007 — supplemental sampling for VOCs analyses at selected locations in the far southeastern and the western portions of the phytoremediation area, focused where trees are planted at the greatest distance above the contaminated groundwater.

Measurements of tree trunk diameter were made for all trees in the spring (April 3, 2007), before the beginning of the growth period, and again on November 18, 2007, after the trees had become dormant. The purpose was to provide a basis for (1) future estimation of water consumption and (2) correlation of tree growth with planting method, response to groundwater and surface water levels, and the observed patterns of carbon tetrachloride uptake.

Leaf and branch samples were collected from willows and cottonwoods during the July sampling event to determine total nitrogen levels. The purpose was to provide a basis for (1) determination of possible nutritional deficiencies in rapidly growing trees and (2) possible future estimation of total nitrogen use by the phytoremediation stand.

Growth and nitrogen analysis data are discussed in Section 4.3.2.3.

The herbaceous ground cover stand in the phytoremediation area was sampled during the July event to determine whether the deep-rooted grasses growing in this area are taking up contaminants and thus are rooting sufficiently deeply to draw water from the contaminant plume. The results of these analyses are discussed in Section 4.3.2.1.

Inspection of the phytoremediation plantings in the late fall revealed that some trees had been affected by fungi, as a result of the prolonged wet conditions at the site and the dense canopy that is now present and could restrict local air flow, particularly in the shallow areas

planted with willows. Though the possible need for future management or treatment of the trees is recognized, no other action was considered necessary during the current review period. Further information is in Section 5.2.

3.3 Constructed Wetlands Area

Construction of the wetlands treatment area started in the summer of 2005 and was substantially completed in the spring of 2006. In late spring and early summer of 2006, additional work was completed to control unexpected surface erosion observed initially along the southern margin of the wetlands. The following corrective measures were implemented:

- Removal of excess sediment from the southern wetlands basin
- Regrading of the southern wetlands margin
- Seeding of additional ground cover
- Planting of wetlands species (rushes and sedges) to promote development and stabilization of the wetlands environment

Localized surface channeling was observed near the southwestern margin of the wetlands during early spring of 2007, as a result of runoff associated with heavy spring rains. Reference markers were placed along the transient flow paths observed to permit quantitative evaluation of the severity of downcutting; however, little further impact was observed after seasonal plant growth began along the wetlands margins and in the adjacent agricultural fields. No mitigation actions were implemented in 2007.

Under all but extreme flood conditions, discharge from the phytoremediation and wetlands areas is returned to the Pawnee Creek tributary channel via a water control structure (stop logs) installed at the downstream edge of the wetlands basin. With the approval of the CCC/USDA, a dual-weir system was implemented at the control structure in April 2007 to facilitate quantitative monitoring of the rates and volumes of discharge from the wetlands. A custom-designed V-notch weir (Figure 3.3) was installed at the outfall; this weir is coupled with the broad, rectangular-notch (R-notch) weir created by water flow across the stop logs of the

water control structure itself. For each weir configuration, the rate of water flow is calculated by comparison of the flowing water level at a point upstream from the respective notch with the elevation of the constricting weir notch. The relatively small V-notch weir was constructed to permit determination of flow rates ranging up to approximately 250 gpm; higher rates can be estimated from water level measurements made relative to the much larger rectangular notch of the water control structure.

Water level measurements required for the calculation of flow rates were obtained by using automatic water level recorders installed at two points, one upstream from the V-notch weir and the other upstream from the R-notch weir. Monitoring for the V-notch flow rate calculations began on April 26, 2007, and monitoring for the R-notch calculations began on May 31, 2007. The results of the flow rate monitoring are discussed in Sections 4.1 and 4.3.1.

To investigate for evidence of possible contaminant uptake by the developing plant community in the Murdock wetlands, vegetation samples for VOCs analyses were collected during the summer growth period at 12 locations and from 7 plant types (bulrush, cattail, arrowhead, lemna, unspecified grass, and adventitious willow and cottonwood saplings), in and at the water's edge along the perimeter of the wetlands. The wetlands sampling was performed in conjunction with the vegetation sampling in the phytoremediation area on July 23-25, 2007. The results of the wetlands vegetation sampling are in Section 4.4.

3.4 Monitoring Well Sampling

Groundwater samples are collected twice annually from the full suite of 19 permanent monitoring wells shown in Figure 2.3, for VOCs analyses and the determination of selected inorganic geochemical parameters including total nitrogen (Argonne 2006). During the current review period, the monitoring wells were sampled on April 9-13 and July 23-25, 2007.

Samples of shallow subsurface water are also collected for VOCs analyses and geochemical parameter determinations from the vent tubes installed within the borehole liners at two deep tree planting locations (W103 and W410) in the phytoremediation area. Sampling at these locations during the current review period occurred on April 12-13 and August 2, 2007.

The analytical results for the subsurface water samples are presented in Section 4.3.3.1.

3.5 Monitoring of Surface Waters

Surface water samples for VOCs analyses are collected quarterly (Argonne 2006) along the tributary creek at three locations. One location (SWM1) is near the upgradient margin of the phytoremediation area, the second (SWM2) is at the upgradient margin of the wetlands area, and the third (SWM3) is directly downgradient from the outfall from the wetlands area (Figure 3.4). Surface water was sampled at the designated locations on February 23, April 18, August 1, and November 8, 2007. The results of the analyses are in Section 4.5.

3.6 Monitoring of Ambient Air

Ambient air samples for VOCs analyses are collected twice annually (Argonne 2006) at three locations (Figure 3.5). Two locations (AA1, AA2) are in the phytoremediation area, and one (AA3) is in the wetlands area. Sampling at these locations occurred on April 17-19 and July 23-25, 2007. In each of these events, a comparison sample of “background” air was collected at location BA1, to the southwest and upgradient/upstream from the tributary creek headwaters area. The analytical results for these events are discussed in Section 4.6.



FIGURE 3.1 Character of tree re-growth in cottonwood (left) and Niobe willow (right) following frost damage in late spring 2007.



FIGURE 3.2 Temporary support provided for leaning trees in the phytoremediation area in late spring and summer 2007.



FIGURE 3.3 Configuration of the V-notch and R-notch weirs at the wetlands outfall.



FIGURE 3.4 Surface water monitoring locations.



FIGURE 3.5 Air sampling locations.

4 Results of Groundwater, Surface Water, Vegetation, and Atmospheric Monitoring

4.1 Climatic and Hydrologic Factors Affecting the Murdock Site in 2007

During the current review period, the Murdock site experienced significantly wetter conditions than in several previous years. The impacts of these wet conditions on the performance of the individual treatment system elements at Murdock are addressed below.

Climate data indicate that from 1999 until 2006, southeastern Nebraska, including the Murdock area, was under designated drought conditions. Except in 2001, annual rainfalls in the Lincoln, Nebraska, area during this period were consistently below the long-term average of 28.37 in./yr. At the end of 2006, a total deficit of approximately 19.3 in. of precipitation was reported for the Lincoln area, with approximately 3.7 in. of the shortfall occurring in 2006 (UNL 2008).

Automated monitoring of on-site weather conditions at Murdock began in mid 2005, in conjunction with the aquifer and surface water restoration program. Data recorded at the headwaters area of the tributary creek indicate a total rainfall of 26.4 in. for Murdock in 2006, roughly 2 in. below the Lincoln annual average. In response to this sparse precipitation, groundwater levels in both the upgradient portion of the Murdock groundwater plume and the more downgradient phytoremediation treatment area declined slowly from fall 2005 to spring 2006, then remained fairly stable or declined very slowly through the end of 2006. These trends are shown in Figures 4.1 and 4.2; well locations are in Figure 2.3. The gaps (April to late June 2006) in the hydrographs in Figures 4.1 and 4.2 resulted because of a temporary equipment shortage, as explained previously (Section 4.2.1 in Argonne 2007).

In 2007, the Murdock on-site weather station recorded 35.8 in. of rainfall. The observed total is more than 25% greater than the annual average for this area and reflects an increase of more than 35% relative to the preceding year. Figure 4.3 shows that groundwater levels in the upgradient plume area rose sharply (by as much as 13 ft at monitoring points D2 and WP49; well locations shown in Figure 2.3) in response to frequent heavy rains in late March to mid June 2007. The resulting groundwater levels were generally sustained through the remainder of the year, as a result of additional rains in late summer and early fall, coupled with several snowfalls and melts (not reflected in Figure 4.3) during the early winter.

Figures 4.4 and 4.5 present, respectively, groundwater level records for monitoring wells located near the headwaters of the tributary creek in the phytoremediation area and in the more downgradient portion of this area (see Figure 2.3 for well locations). Groundwater level increases of approximately 3.5-7 ft in the headwaters area and up to 3 ft at the more downgradient monitoring points occurred in response to the spring 2007 rains. The groundwater levels showed little or no decline to the end of the year. In monitoring wells PMW3S, PMW3D, PMW9S, PMW9D, and PMW6, water levels rose to or above the local land surface level. Artesian discharge of groundwater to the surface was observed throughout the late spring, summer, fall, and winter at PMW3S and PMW3D. (The water level recorder at PMW3S was removed from the well in July 2007 to prevent possible damage to the instrument.)

Figures 4.4 and 4.5 illustrate that groundwater levels in all of the phytoremediation area monitoring wells showed almost immediate, transient responses to the individual heavy rainfalls occurring during the spring, prior to the onset of significant seasonal growth of the remediation plantings or crops in the adjacent private fields. The groundwater levels showed relatively less sensitivity to individual storm events during the later portion of the review period, when vegetation cover was present. Corresponding surface water flow estimates obtained from the weirs installed at the outfall of the wetlands (Figure 4.6), however, suggest that transient discharge rates exceeding 430 gpm occurred periodically throughout 2007 in response to individual storm events. During non-storm periods, discharge rates from the wetlands outfall appeared to vary over the range 30-80 gpm.

4.2 Results for GWEX-1 and Compliance Monitoring of the Spray Irrigation Treatment Unit

The treated effluent from extraction well GWEX-1 and the spray treatment unit is used for irrigation of the Elmwood-Murdock Public School system's athletic fields. Frequent heavy rains at Murdock during late April, May, early June, August, and September eliminated the need for watering of the fields during much of 2007. Sporadic operation of GWEX-1 and the spray treatment system therefore began in early July and ended on September 12, 2007. A total of 141,867 gal of groundwater was extracted, treated, and discharged to the surface during the year.

The spray irrigation treatment unit and well GWEX-1 are operated in accord with a statement of discharge requirements (National Pollutant Discharge Elimination System Tracking No. NE0137464) issued by the Nebraska Department of Environmental Quality (NDEQ)

(Appendix B in Argonne 2006). In keeping with the NDEQ requirements, samples of the treated effluent are analyzed for carbon tetrachloride, chloroform, and pH levels. The NDEQ statement of discharge requirements places no restrictions on the quality of the groundwater supplied to the spray irrigation unit before treatment occurs, and it does not require analysis of the untreated flow. Nevertheless, well GWEX-1 is sampled for VOCs analyses to document the concentrations of carbon tetrachloride in the groundwater captured by the well.

One monitoring event was required during the present review period; sampling of GWEX-1 and the spray treatment unit occurred on September 12, 2007. Analytical results for the untreated groundwater from GWEX-1 for this event are in Table 4.1, together with previous sampling results for comparison. The data tables are grouped at the end of this section, before the figures.

The concentrations of carbon tetrachloride in two samples of the untreated groundwater from GWEX-1 collected on September 12, 2007, were 285 µg/L and 336 µg/L. These results indicate an apparent increase in 2007 relative to concentrations determined during the previous irrigation seasons. The observed concentrations in the untreated groundwater indicate that GWEX-1 is effectively capturing relatively high contaminant concentrations in the plume before they reach the phytoremediation and wetlands treatment areas. Low levels of chloroform (4.2 µg/L and 3.7 µg/L) were also detected in the untreated groundwater during the current review period (Table 4.1). These levels were similar to levels observed during the previous sampling events.

The outfall from the spray irrigation treatment unit is identified by the NDEQ as a land application; no specific targets for the removal of carbon tetrachloride (or chloroform) have therefore been established. The NDEQ requirements qualitatively note, however, that the discharge may not be toxic to aquatic life in surface waters of the state outside the mixing zones allowed under NDEQ Title 177 – *Nebraska Surface Water Quality Standard*. This standard defines a maximum acceptable level of 44.2 µg/L for carbon tetrachloride in surface water bodies. The NDEQ requirements further identify an acceptable pH range of 6.0 to 9.0 for the treated groundwater. These targets were accepted by the EPA (2005) in conjunction with the *Murdock Monitoring Plan* (Argonne 2006).

Samples of treated groundwater discharged by the irrigation treatment unit are collected from multiple locations throughout the spray cloud during each sampling event. Spray

accumulation rates at each collection point may differ for each event, depending on the local wind and site conditions at the time of sample collection. A minimum of four individual spray samples are analyzed, however, for each event, to account for the potential variability.

Carbon tetrachloride concentrations detected in individual samples of the spray discharge for the September 2007 and previous sampling events are in Table 4.2. Carbon tetrachloride concentrations in the spray discharge ranged from 2.1 µg/L to 6.5 µg/L during the current review period. The average concentration for the 2007 sampling event, determined from the analytical results and considered to approximate the level of carbon tetrachloride in the net spray discharged to the land surface, was 3.5 µg/L. The results for 2007 are comparable to those achieved during the previous irrigation seasons. *The results indicate that the levels of carbon tetrachloride in the spray outfall to date have been far below the acceptable limit established by the EPA and the NDEQ.* Chloroform and methylene chloride were not detected in any of the spray samples analyzed.

The maximum and minimum pH levels detected in samples of the treated spray discharge for the September 2007 and previous sampling events are in Table 4.3. The observed 2007 levels ranged from 7.24 to 7.33, and thus they comply with the pH requirements (6.0 to 9.0) specified by the NDEQ.

4.3 Results for the Phytoremediation Area

Carbon tetrachloride removal in the phytoremediation treatment area is expected to occur through the combined effects of

- Hydraulic “pumping” of the contaminated groundwater as a result of plant uptake,
- Transpiration and degradation of carbon tetrachloride within plant tissues, and
- Enhanced microbial degradation (reductive dechlorination) in the root zone created by the plants.

The results of the monitoring activities targeted to investigate these remedial processes (Argonne 2006, Section 3.1.2) are summarized below.

4.3.1 Evidence of Possible Hydraulic “Pumping” Effects

Groundwater levels are recorded automatically at 16 locations at Murdock (Figure 2.3) to monitor the patterns of water level variations along the contaminant migration pathway, as well as within the phytoremediation treatment zone, that might influence the fate and transport of carbon tetrachloride. Complete data recovered from the water level recorders are in Supplement 1 (on the CD inside the back cover of this report); these data are summarized in Figures 4.3-4.5.

The overall patterns of variations in groundwater levels at Murdock during the current review period are discussed in Section 4.1. Figures 4.7 and 4.8 illustrate the small-scale oscillations apparent in the hydrographs for all of the monitoring wells completed at both shallow and deeper depths in the phytoremediation area, from early May to mid October 2007. *The observed pattern strongly suggests that the fluctuations are associated with the diurnal cycle of groundwater uptake by the phytoremediation plantings (and other nearby vegetation) during the annual growing season.* The diurnal oscillations reached an apparent maximum amplitude (up to 0.5 ft at PMW9S and 0.6 ft at PMW8) during the relatively dry period from early June to early August, suggesting that the utilization of groundwater by the phytoremediation and native plantings was greatest at this time.

Estimated flow rates for water discharged from the wetlands outfall in 2007, obtained from monitoring data for the V-notch and R-notch weirs, are shown in Figure 4.6. The results for the V-notch weir suggest that water flow rates from the wetlands declined during the period of little rainfall from mid June to late July. Both weir traces show a strong diurnal fluctuation of flow rates during this period, with maximum flow rates (35-60 gpm; V-notch data) occurring daily at 10:00-12:00 and minimum rates (18-40 gpm; V-notch data) at 19:00-21:00. The indicated rate variations closely correspond to the inferred diurnal fluctuations observed in groundwater levels in the phytoremediation area. This observed correlation strongly suggests that the evapotranspiration “pumping” action of the phytoremediation plantings, native plants, and nearby crops acted to reduce the water flow reaching (and hence exiting) the wetlands by approximately 15-20 gpm at the peak of each daily water use cycle. Averaged over 24 hr, the data suggest a reduction in the total discharge of the tributary creek of approximately

21,600-28,800 gal/d during the active growing season, as a result of evapotranspiration by the plantings and natural vegetation in the phytoremediation area, as well as by the crops in the neighboring agricultural fields.

4.3.2 Evidence of Carbon Tetrachloride Uptake and Possible Degradation by the Phytoremediation Plantings

The detection and quantitation of volatile solvents in plant tissues have been shown to be positively linked to the presence and concentrations of these contaminants in the water source(s) used to support plant growth. At Murdock, carbon tetrachloride has been identified in the subsurface groundwater, as well as in groundwater seeping from the contaminated aquifer to the surface waters of the tributary creek. At this site, vegetation sampling (primarily of branch and leaf tissues) for VOCs analyses is therefore employed in accord with the EPA-approved *Monitoring Plan* (Argonne 2006) as an indicator of groundwater use and contaminant uptake by the phytoremediation plantings.

A review of the VOCs data for vegetation samples collected at Murdock in 2005-2006 (Argonne 2007) showed that evidence for uptake of carbon tetrachloride by trees occurs far more reliably in branch tissues than in leaf tissues. Consequently, in 2007 leaf samples were collected only during the July sampling event, at a limited subset of locations (some near air sampling locations). Leaf samples were not collected during the April and October sampling events, which occurred too early and too late in the growing season, respectively, for healthy leaves to be present.

Complete results for the 2007 vegetation sampling and VOCs analyses are in Table B.1, Appendix B. Tree sampling locations in 2007 are shown in Figure B.1, Appendix B. The analytical results for carbon tetrachloride are discussed in Section 4.3.2.1. Results for chloroform are discussed in Section 4.3.2.2.

The results for carbon tetrachloride in branch samples collected during 8 major sampling events in 2005-2007 are illustrated as follows:

- Figure 4.9: July 2005, baseline sampling

- Figure 4.10: September 2005, end of first growing season
- Figure 4.11: January 2006, first winter sampling
- Figure 4.12: March-April 2006, first spring sampling
- Figure 4.13: August 2006, peak of second growing season
- Figure 4.14: April 2007, second spring sampling
- Figure 4.15: July 2007, peak of third growing season
- Figure 4.16: October 2007, end of third growing season

Table 4.4 summarizes the results for carbon tetrachloride in tree branch samples collected in the 8 major events illustrated in Figures 4.9-4.16, plus 4 additional events conducted at weekly intervals in August 2007 (discussed in more detail below).

Figure 4.17 shows the correlation between carbon tetrachloride and chloroform in the series of 11 sampling events summarized in Table 4.4. Tree diameter measurements are illustrated in Figure 4.18, and Figure 4.19 shows sampling locations and concentrations of carbon tetrachloride in the herbaceous cover and wetlands plants.

4.3.2.1 Results of Vegetation Analyses for Carbon Tetrachloride

Previous results (Argonne 2007) showed that quantifiable levels of carbon tetrachloride were detected in increasing numbers of tree branch samples as the phytoremediation plantings progressed in their growth after planting in spring 2005. Carbon tetrachloride concentrations in branch samples were lowest in the dormant seasons (winter, early spring), then increased and occurred over a wider area of the phytoremediation zone during successive summer growth periods. Furthermore, measurable amounts of carbon tetrachloride were found initially in shallower plantings, then identified subsequently in deeper plantings as time progressed.

During 2007, results followed trends similar to those observed previously (Argonne 2007). In 2007, concentrations of carbon tetrachloride in branch tissues were lowest in April (Figure 4.14), when most of samples had no measurable concentrations. In April 2007, only a limited number of locations in the southernmost half of the planting area showed low carbon tetrachloride levels ($< 10 \mu\text{g/kg}$), and only two samples showed concentrations of up to $75 \mu\text{g/kg}$.

By the peak of the 2007 growing season (July 2007; Figure 4.15), the areal extent of the trees with measurable carbon tetrachloride had expanded to almost the entire planting area, and the concentrations ranged up to $2,537 \mu\text{g/kg}$. In addition to the surface-planted trees, an increasing number of cottonwoods planted in areas where the depth to groundwater is greater showed relatively elevated carbon tetrachloride levels. In particular, cottonwoods planted in the southwestern outer rows — where the depth from the ground surface to groundwater is greatest — showed consistently measurable, often elevated levels of carbon tetrachloride. These results suggest that the roots of these trees have reached the contaminant plume. Limited follow-up sampling in October 2007 (Figure 4.16) confirmed the July 2007 findings.

The results for cottonwoods in the southwestern outer rows are in contrast to results for corresponding rows of trees of comparable size, overlying groundwater at similar inferred depths, on the east side of the creek tributary — which contained little carbon tetrachloride in their tissues. Higher-than-usual groundwater levels and observed surface seepage might have influenced the rate of carbon tetrachloride uptake by the trees in the southwest portion of the planting (Sections 3.2 and 4.1); however, the spatial distribution of the contaminants in the sampled tree rows might reflect a current plume configuration with higher contaminant concentrations toward the west side.

The 2007 monitoring further confirmed that carbon tetrachloride uptake by vegetation in the phytoremediation area is seasonal; the contaminant does not accumulate in plant tissues from year to year, but instead it is eliminated fairly rapidly from the tissue when the annual growing season ends and the trees become dormant.

The time series of limited sampling activities in August 2007 was conducted to determine the variability of carbon tetrachloride concentrations in branch tissues over a one-month period during the growing season at several locations. Trees were selected both in the shallow-planted area (willows) and the deeper-planted area (cottonwoods). The August 2007 results highlighted

in Table 4.4 indicate that some trees held relatively constant carbon tetrachloride levels during that month, while others showed widely varying concentrations, with little apparent relationship to the depth of planting.

In view of the observation that tree branches at Murdock are dynamic indicators of subsurface contamination, the observed fluctuations in carbon tetrachloride concentrations (Table 4.4) are generally believed to reflect time- and location-dependent exposures to different contaminant levels, which in turn are partly dependent on water supply. The time series data collected in August 2007 suggest that the six trees sampled were exposed to different water and contaminant availabilities over time. A possible explanation for the fluctuating concentrations observed in tree W505 is variable exposure to groundwater in the contaminant plume due to fluctuating water levels. In contrast, the low and steady concentrations observed in tree W128 suggest greater consistency in the water level at that location. This explanation seems consistent with observations of unusually high water levels in the headwaters area in August 2007, plus elevated carbon tetrachloride concentrations in the shallow-screened monitoring wells there (Section 4.3.3.1). Nevertheless, additional data would be needed to demonstrate a relationship.

The elevated carbon tetrachloride concentrations found in tree W606 (1,957-2,182 µg/kg; Table 4.4) in August 2007 are consistent with an elevated concentration (902 µg/kg on July 24; Table B.1) observed in a deep-rooted grass sample (Grass-13) collected nearby (Figure 4.19).

Eleven leaf samples were collected during the July 2007 sampling event, some at locations near the points of twice yearly air monitoring (Section 4.6). Elevated carbon tetrachloride levels were identified at only one location (132 µg/kg, at location W505 [along with chloroform at 126 µg/kg]; Table B.1). Contaminant levels in all other leaf samples were low (below 2 µg/kg) or undetectable. These results confirm that leaf analyses are of little value in understanding VOCs uptake by trees. Leaf analyses may, however, be useful in future interpretation, in conjunction with air monitoring results, of possible VOCs concentration changes in ambient air.

Samples of the herbaceous ground cover were also analyzed during the July event, at locations in the western portion of the phytoremediation tree stand (Figure 4.19). Most of the samples showed no detectable concentrations of carbon tetrachloride. The exceptions were as follows (Table B.1):

- One grass sample (Grass-01) collected near tree W118 showed a trace level of carbon tetrachloride ($< 1 \mu\text{g/kg}$).
- A grass sample (Grass-12) collected near location W505 contained carbon tetrachloride at the relatively low level of $16 \mu\text{g/kg}$.
- A sample of a native-type, deep-rooting grass (Grass-13) in the “deep” planting area between trees W505 and W606 contained a significant amount of carbon tetrachloride ($902 \mu\text{g/kg}$).

Confirmation sampling was attempted in October 2007 at the locations with the July detections; however, by then only one of the locations could be sampled, and the (already dry) grass there showed no detectable amounts of carbon tetrachloride.

4.3.2.2 Results of Vegetation Analyses for Chloroform

Reductive dechlorination of carbon tetrachloride will result in the generation of progressively more reduced degradation products, including chloroform and dichloromethane. The identification of elevated levels of these degradation products in correlation with carbon tetrachloride in groundwater or plant materials at Murdock might therefore provide empirical evidence for possible reductive dechlorination, on either the macroscale or the microscale, in the phytoremediation environment.

Concentrations of chloroform ranging up to $49 \mu\text{g/kg}$ were detected in branch tissue samples collected at locations throughout the phytoremediation area during the spring sampling event (April 2007). Most of the detected levels were below $10 \mu\text{g/kg}$, but three samples (4%) exhibited concentrations of $40\text{-}50 \mu\text{g/kg}$. In July, chloroform detections occurred throughout the phytoremediation planting area, with levels ranging up to $292 \mu\text{g/kg}$ (at location W606). Background locations outside the planted area had non-detectable chloroform levels, while chloroform was detected sporadically in preexisting trees in the planting area.

Samples of ground cover collected in the planting area and along the margins of the wetlands predominantly showed no detectable chloroform; a few samples contained low concentrations of chloroform (Table B.1), as follows:

- The sample collected at W118 (Grass-01) contained chloroform at 8 µg/kg (along with a trace of carbon tetrachloride).
- A grass sample collected near location W505 (Grass-12) contained chloroform at 2 µg/kg (in addition to carbon tetrachloride at a low level).
- A sample of a deep-rooting, native-type grass in the “deep” planting area between trees W505 and W606 (Grass-13) contained chloroform at 14 µg/kg (along with a high concentration of carbon tetrachloride).

A strong positive correlation between carbon tetrachloride and chloroform concentrations was found for the tree branch samples collected weekly in August 2007 (Figure 4.17). These results support the empirical observation that *reductive dechlorination of carbon tetrachloride may be taking place in the remedial environment created by the phytoremediation plantings (and native trees) at Murdock*. The present data, however, are insufficient for discerning whether the degradation is occurring in the plant tissues themselves, in the microenvironment possibly associated with the root zones of these plantings, or both. Nevertheless, the slope of the regression line in Figure 4.17 indicates that the average ratio of chloroform to carbon tetrachloride concentrations in these samples was greater than the ratios indicated by the data in Section 4.3.3.1 for groundwater samples collected in the area with elevated carbon tetrachloride concentrations (> 50 µg/L). The higher ratios in branch tissue suggest that degradation of carbon tetrachloride to chloroform is occurring in the phytoremediation area.

4.3.2.3 Tree Growth and Nitrogen Concentrations

The patterns of carbon tetrachloride uptake outlined above are qualitatively consistent with measurements of tree growth (trunk diameter at breast height) recorded in the phytoremediation area in April 2007 and again in November 2007. As in the previous reporting period, the data (Figure 4.18) indicate that for all tree species the most pronounced growth has occurred in the shallow planting zone, where a relatively unlimited supply of water is readily available. Niobe willows and cottonwoods growing in the deeper planting zone had diameter sizes in the fall that were comparable to those of same species in the shallow planting zone the previous spring. These observations indicate a development lag of approximately one growing

season for the trees in the deep planting zone. Other tree species (ashes, catalpas) appear to be less sensitive to the presence of readily available water.

The relatively slower tree growth observed in the deep planting areas upslope from the creek suggests that *the specialized planting technique (TreeWell®) and the growth of ground cover species in this phytoremediation zone are achieving the intended effect of limiting the availability of direct precipitation and surface runoff to these trees, while encouraging growth of their root systems toward the groundwater. The increased incidence of carbon tetrachloride and chloroform in trees in the deep planting zone compared to previous reporting periods further indicates that the roots of these trees are increasingly accessing the contaminated groundwater resource.*

Results of tissue total Kjeldahl nitrogen analyses conducted on three willow and four cottonwood leaf and branch samples collected at the peak of the 2007 growing season (late July) showed average leaf concentrations of about 0.6% and branch concentrations of 0.1%. Although these results will be useful in future assessments of nitrogen use by trees, the data did not reveal nutritional deficiencies in the rapidly growing trees.

4.3.3 Evidence of Possible Enhanced Microbial Degradation

Direct measurement of the microbial activity within the root zone created by the phytoremediation plantings is neither easy nor economical to employ at this time as a periodic monitoring tool. In accordance with the approved *Monitoring Plan* (Argonne 2006), twice yearly sampling and analysis of the groundwater at 19 permanent monitoring wells within and upgradient of the phytoremediation area (Figure 2.3) is performed as a logistically viable alternative for monitoring for (1) changes in the concentrations of carbon tetrachloride in groundwater and (2) the possible development of reducing/anaerobic conditions within the aquifer required for the microbial degradation of carbon tetrachloride by reductive dechlorination.

4.3.3.1 VOCs Analysis Results for Groundwater

The analytical results for VOCs in groundwater samples collected during the review period are summarized in Table 4.5 and in Figures 4.20 and 4.21. Table 4.5 includes results from previous sampling events for comparison.

Table 4.5 indicates that the observed concentrations of carbon tetrachloride in the Murdock aquifer have remained relatively stable at most of the monitoring well locations, showing no consistent trend of increase or decrease. The highest concentrations of carbon tetrachloride in groundwater (since monitoring began in 2005) have consistently been identified in several wells (PMW1D, PMW2D, PMW3S, PMW3D, SB65D) completed primarily in the deeper portion of the aquifer, at locations near or upgradient (south) of the phytoremediation planting area. The highest maximum concentrations consistently detected during all sampling events have occurred at monitoring wells PMW1D (1,233-3,077 µg/L) and PMW2D (863-3,827 µg/L). Figures 4.20 and 4.21, respectively, show the analytical results for groundwater samples in the April 2007 and August 2007 sampling events.

Figure 4.22 highlights carbon tetrachloride results for three wells with shallow completions (PMW1S, PMW2SA, PMW3S) in the upgradient, headwaters portion of the phytoremediation area. As Figure 4.22 illustrates, the carbon tetrachloride concentrations in these three shallow wells were generally similar in April 2006, August 2006, and April 2007. In the July 2007 sampling event, however, dramatic increases in the levels of carbon tetrachloride were observed in all three wells (Figure 4.22). The observed increases are believed to reflect the movement of more highly contaminated groundwater from the deeper portion of the aquifer into the shallower portion at these locations, in association with the rise in groundwater levels described in Section 4.1. Persistent seepage to the land surface (presumably groundwater seepage) was observed during much of 2007 in the vicinity of these monitoring wells, further suggesting upward movement of contaminated groundwater in this area subsequent to the April 2007 sampling event.

Groundwater monitoring for VOCs has consistently demonstrated that the *measured carbon tetrachloride concentrations in groundwater decrease rapidly northward and downgradient from the creek headwaters area; the 2007 sampling results continue this trend.* The maximum concentrations identified at the northernmost groundwater sampling location,

PMW8, have consistently ranged from 16 µg/L to 26 µg/L since the original Murdock baseline sampling event in July 2005 (Table 4.5).

Chloroform concentrations identified in the groundwater samples from each of the monitoring events during this review period were generally low (≤ 10 µg/L), with the consistent exception of the TEST-1 well on the Murdock public school property (18 µg/L and 14 µg/L in the April and July 2007 sampling events, respectively) and the April 2007 sampling result for well PMW9S (24 µg/L).

Comparison of the carbon tetrachloride and chloroform concentrations in the groundwater samples collected in the area with elevated carbon tetrachloride concentrations (> 50 µg/L) indicated that, except for the TEST-1 well, the ratios of chloroform to carbon tetrachloride were consistently $< 3\%$, and mostly $< 1\%$.

4.3.3.2 Geochemical Analysis Results for Groundwater

The inorganic geochemical parameters dissolved oxygen (DO), reduced iron (Fe^{2+}), and oxidation-reduction potential (ORP) are measured in each of the monitoring wells as possible indicators of the development of oxygen-depleted, chemically reducing conditions that would promote anaerobic degradation of the carbon tetrachloride within the Murdock aquifer. The results of these measurements for the present review period are in Table 4.6, together with data from previous sampling events. The results show no clear patterns of significantly decreased DO levels or increased Fe^{2+} concentrations in conjunction with the annual growing season that would suggest the *widespread* onset of anaerobic conditions in the groundwater as a result of plant growth or microbial activity. To the contrary, the DO levels observed at all monitoring wells (with the exception of PMW9S) in July 2007 show an increase relative to the April 2007 sampling event, possibly reflecting an influx of recent recharge to the aquifer associated with the heavy spring and early summer rains. *Data for the 2006 and 2007 monitoring events do, however, show an apparent seasonal influence on the ORP values measured at all well locations in the phytoremediation area, with relatively lower ORP values occurring during the summer periods of active plant growth. These results suggest the possible development of locally more reducing conditions in groundwater during the summer growth period.* Continued monitoring in accord with the approved *Monitoring Plan* (Argonne 2006) could confirm the potential seasonal variations suggested in this geochemical parameter by the present data.

4.3.4 Summary of Results for the Phytoremediation Area

The results of the phytoremediation monitoring activities during the present review period support the following observations:

- Distinct seasonal fluctuations in groundwater levels observed at all monitoring well locations in the phytoremediation area appear linked to the diurnal effects of groundwater “pumping” by the phytoremediation plantings, native vegetation, and nearby crops during the annual growing season. Limited estimates suggest that this effect reduced net water flow in the tributary creek by 15-20 gpm during peak daily water usage during the growing season.
- Uptake of carbon tetrachloride by the planted tree stand has been confirmed by the seasonal presence of this contaminant, and also chloroform, in branch tissue at increasing concentrations and over an expanding areal extent, both in the shallow planting area and (increasingly) in the deep planting area.
- The increased ratio of chloroform to carbon tetrachloride observed in plant tissues versus groundwater suggests that carbon tetrachloride degradation is occurring in the phytoremediation system. The degradation could be associated with the plant tissue activity, microbial activity in the root zones of the plantings, or both.
- The finding of a significant concentration of carbon tetrachloride in a sample of a deep-rooted, native-type grass in the area where elevated concentrations were also found in shallow groundwater and branch tissues indicates that the cover crop may be aiding in the remediation process, as intended. Follow-up work will be needed to confirm this finding.
- Evidence of groundwater and contaminant uptake is present in the trees planted deepest, indicating that these trees might have reached or be close to reaching the target rooting depth. Higher-than-normal groundwater elevations recorded this year may, however, have contributed to enhanced contact between the tree roots and the groundwater. If this is true, a decline in uptake in future years might reflect the effect of a declining water level rather than a

failure of the system to accomplish groundwater restoration. As the water level recedes to more typical elevations in the future, the tree roots will continue growing toward the groundwater. A relatively gradual decline in the water level is not expected to stress the trees.

- Significant tree growth during the 2007 growing season indicates the potential for substantial water use by the trees, as reflected in the decrease in measured discharge from the phytoremediation-wetlands system. Averaged over 24 hr, the estimated peak uptake and treatment by the vegetation in 2007 (15-20 gpm) would amount to 21,600-28,800 gal/d during the active growing season, or approximately 3.24-5.18 million gallons in a growing season of 150-180 days.
- Geochemical data suggest the possible development of slightly more reducing conditions in the Murdock aquifer during the annual summer growing period. Such conditions might stimulate the localized degradation of carbon tetrachloride in the subsurface.

4.4 Results of Vegetation Analyses in the Wetlands Area

Selected herbaceous and woody vegetation samples were collected during the July sampling event, in the water and at the water's edge along the wetlands perimeter. Species collected included young adventitious willows and cottonwoods, as well as cattail, bulrush, arrowhead, lemna, and unspecified grasses. No carbon tetrachloride or chloroform was found in these samples (Table B.1), except for the trace levels ($< 1 \mu\text{g/kg}$) of carbon tetrachloride detected in two samples (Grass-09 and Grass-28, collected north of the wetlands outfall and near surface water monitoring location SWM2, respectively). As the plantings become better established with time, convincing evidence of carbon tetrachloride uptake by the wetlands vegetation may be found if the wetlands water concentrations are elevated enough to make carbon tetrachloride detectable in plant tissue.

4.5 Results for Compliance Monitoring at Surface Water Locations SWM1, SWM2, and SWM3

Surface water sampling point SWM3 lies directly downstream of the outfall from the phytoremediation and wetlands treatment zones (Figure 3.4), and hence it reflects the final contaminant levels achieved in the effluent from the combined treatment processes. Location SWM3 was therefore identified in the EPA-accepted *Monitoring Plan* (Argonne 2006) as the primary point for quantitative assessment of the net performance of the Murdock treatment efforts. A maximum target carbon tetrachloride concentration of 44.2 µg/L was adopted for this discharge, as established by the NDEQ for surface waters of the state under NDEQ Title 117 – *Nebraska Surface Water Quality Standard*.

The results of the 2007 surface water sampling and analyses are in Table 4.7, along with previous data for comparison. Carbon tetrachloride contamination was detected in all surface water samples collected at SWM3 in 2007, at levels exceeding the instrument detection limit of 0.1 µg/L. *The levels identified (ranging from < 1 µg/L to 4.4 µg/L), however, were lower by an order of magnitude than the regulatory target concentration (44.2 µg/L) promulgated for this outfall.* Carbon tetrachloride levels detected at upstream sampling location SWM2 ranged from 3.5 µg/L to 19 µg/L, also falling well below the identified target level for surface waters during this review period. Carbon tetrachloride levels identified in the surface waters sampled at upstream location SWM1 ranged from 237 µg/L in February 2007 to 56 µg/L in November 2007, and appeared to follow a declining trend throughout the review period.

The results demonstrate almost complete removal of carbon tetrachloride contamination from the surface water, as well as the groundwater seepage, that passed through the phytoremediation and wetlands treatment zones during the review period. The system met the EPA's compliance goals.

4.6 Results for Atmospheric Compliance Monitoring

The EPA has adopted the Agency for Toxic Substances and Disease Registry's intermediate inhalation minimal risk level (MRL) of 192 µg/m³ as a target maximum concentration for carbon tetrachloride in air in the phytoremediation and wetlands treatment areas. This concentration will be protective of health for both workers and members of the general public who might periodically visit these areas. The intermediate MRL is defined as an

estimate of the daily human exposure that is likely to be without appreciable risk of adverse non-cancer health effects for an exposure duration of 15-364 days (EPA 2005).

Ambient air is sampled at three locations (Figure 3.5) — two in the phytoremediation area (AA1, AA2) and one in the wetlands (AA3) — as specified in the EPA-approved *Monitoring Plan* (Argonne 2006). Samples are collected by using special evacuated canisters fitted with metered inlet valves. The valves allow air to enter the canisters at a preset, slow rate. At Murdock, an air sample is collected at each location over an 8-hr period, on each of three consecutive days, for each sampling event. This procedure yields “average” samples of the air to which a visitor at the site might be exposed. The purpose is to compensate for unusual wind or other weather conditions that might affect the air sampled on any one given day. For comparison, samples of “background” air are collected during each sampling event from a location southwest of the phytoremediation and wetlands areas (BA1; Figure 3.5), by using the same procedures. The air samplers were placed at an inlet height of approximately 5.5 ft above ground level, roughly corresponding to the breathing zone.

The results of the 2007 air sampling and analyses are compared to data for previous sampling events in Table 4.8. *No carbon tetrachloride or chloroform was identified (at indicated reporting limits of 1.3 $\mu\text{g}/\text{m}^3$ and 0.98 $\mu\text{g}/\text{m}^3$, respectively) in the ambient air at Murdock during the current review period.*

Several other compounds, including chloromethane, acetone, and chlorofluoromethanes, were identified at low or trace concentrations in many of the air samples collected in the phytoremediation and wetlands areas, at levels comparable to those found at background sampling location BA1. The presence of these compounds appears unrelated to the former CCC/USDA grain storage activities at Murdock or to the groundwater and surface water restoration processes that are presently in progress.

4.7 Quality Control for Monitoring Activities

A comprehensive quality assurance/quality control program was implemented to confirm the reliability and representativeness of all analytical results as they were accumulated. Sample collection and handling activities were monitored by documenting samples as they were collected and using chain-of-custody forms and custody seals to ensure sample integrity during

handling and shipment. Field blanks, equipment rinsates, and trip blanks were collected as appropriate to ensure that cross-contamination did not occur during sample collection and handling. To monitor the consistency of the sampling methodology and provide a measure of analytical precision, blind replicate samples were collected, and other samples were selected for duplicate analyses.

Groundwater, surface water, and spray irrigation effluent samples were analyzed for VOCs by the Applied Geosciences and Environmental Management (AGEM) Laboratory at Argonne, Illinois. The AGEM Laboratory used a modification of EPA Method 524.2 to achieve a quantitation limit of 1.0 µg/L. In this purge-and-trap method with analysis on a gas chromatograph-mass spectrometer system, VOCs are extracted (purged) from the sample matrix by bubbling an inert gas through each sample. The purged components are then trapped in a specified sorbent tube. After the purging, the sorbent tube is heated and backflushed with an inert gas to desorb the components into the analytical system. The compounds eluting from the gas chromatography column are identified by retention time and through comparison with reference library spectra. The concentration of each component is calculated by comparison of the mass spectrometer response for the quantitation ion to corresponding calibration curves, the responses for internal standards, or both.

Vegetation samples were analyzed for carbon tetrachloride and chloroform by the AGEM Laboratory with a modification of the protocol in EPA Method 5021 (headspace analysis on a gas chromatograph with electron capture detection) to achieve the low detection limits required. An 11-point calibration of the gas chromatograph system was established on the basis of the mass of known quantities of carbon tetrachloride and chloroform. Consistency in the results for secondary quality control analyses provides support for the sampling and analytical methodologies.

To aid in characterization of the water-bearing zone, groundwater samples were analyzed for geochemical parameters including total nitrogen, DO, Fe²⁺, ORP, pH, and conductivity. Samples were analyzed for nitrate/nitrite-nitrogen by Severn-Trent Laboratories (now operating as TestAmerica) with EPA Method 353.2, an automated colorimetric method based on cadmium reduction. Commercial field test kits/instruments were used for measurement of the other geochemical parameters of interest.

Air-monitoring samples were analyzed at Severn-Trent Laboratories (now TestAmerica) by EPA Method TO-15 on a gas chromatograph-mass spectrometer system. The atmospheric air samples were drawn into specially prepared, preevacuated stainless steel canisters. For the analysis, the sample (a known volume of air) was directed from the canister through a multisorbent concentrator. After the concentration and drying steps were complete, the VOCs were thermally desorbed, entrained in a carrier gas stream, and directed through a multisorbent trap. The sample was then released by thermal desorption and carried onto the gas chromatography column for separation.

TABLE 4.1 Analytical results for volatile organic compounds in samples of untreated water collected from extraction well GWEX-1 at Murdock, 2005-2007.

Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L)		
			Carbon Tetrachloride	Chloroform	Methylene Chloride
MUGWEX-W-18312	7/18/05	47.0–77.0	205	2.3	ND ^a
MUTAP-W-15717	9/22/05	47.0–77.0	232	2.7	ND
MUTAP-W-15718 ^b	9/22/05	47.0–77.0	223	2.4	ND
MUTAP-W-18128	6/8/06	47.0–77.0	262	3.2	ND
MUTAP-W-18129 ^b	6/8/06	47.0–77.0	270	3.3	ND
MUGWX1-W-18151	8/15/06	47.0–77.0	262	4.5	ND
MUGWX1-W-18152 ^b	8/15/06	47.0–77.0	179	2.7	ND
MUGWX1-W-23082	9/12/07	47.0–77.0	336	4.2	ND
MUGWX1-W-23083 ^b	9/12/07	47.0–77.0	285	3.7	ND

^a ND, not detected at instrument detection limit of 0.1 µg/L.

^b Quality control replicate.

TABLE 4.2 Analytical results for volatile organic compounds in samples of treated spray collected at Murdock, 2005-2007.

Sample	Sample Date	Carbon Tetrachloride	Chloroform	Methylene Chloride
MUTEST1-W-B	6/2/05	0.8 J ^a	ND ^b	ND
MUTEST1-W-C	6/2/05	1.8	ND	ND
MUTEST1-W-D	6/2/05	1.1	ND	ND
MUTEST1-W-E	6/2/05	0.7 J	ND	ND
MUTEST2-W-B	6/2/05	1.3	ND	ND
MUTEST2-W-C	6/2/05	2.1	ND	ND
MUTEST2-W-D	6/2/05	2.2	ND	ND
MUTEST2-W-E	6/2/05	5.9 S ^c	ND	ND
MU-C-W-15722	9/22/05	1.9	ND	ND
MU-D-W-15723	9/22/05	2.9	ND	ND
MU-E-W-15719	9/22/05	4.7	ND	ND
MU-F-W-15720	9/22/05	3.0	ND	ND
MU-G-W-15721	9/22/05	4.0	ND	ND
MUB-W-18134	6/8/06	5.2	ND	ND
MUC-W-18133	6/8/06	1.7	ND	ND
MUD-W-18130	6/8/06	3.0	ND	ND
MUD-W-18131 ^d	6/8/06	3.1	ND	ND
MUE-W-18132	6/8/06	2.7	ND	ND
MUB-W-18153	8/15/06	5.2	ND	ND
MUC-W-18154	8/15/06	0.9 J	ND	ND
MUD-W-18155	8/15/06	2.6	ND	ND
MUD-W-18156 ^d	8/15/06	1.7	ND	ND
MUE-W-18157	8/15/06	2.5	ND	ND
MUF-W-18158	8/15/06	2.3	ND	ND
MUB-W-23090	9/12/07	2.1	ND	ND
MUC-W-23088	9/12/07	2.4	ND	ND
MUC-W-23089 ^d	9/12/07	2.3	ND	ND
MUD-W-23086	9/12/07	4.0	ND	ND
MUD-W-23087 ^d	9/12/07	4.3	ND	ND
MUE-W-23085	9/12/07	2.7	ND	ND
MUF-W-23084	9/12/07	6.5	ND	ND

^a Qualifier J indicates an estimated concentration below the method quantitation limit of 1.0 µg/L.

^b ND, not detected at instrument detection limit of 0.1 µg/L.

^c Qualifier S indicates that the surrogate recovery was outside the quality control range.

^d Quality control replicate.

TABLE 4.3 Analytical results for pH in samples of treated spray collected at Murdock, 2005-2007.

Sample Date	pH	
	Minimum	Maximum
6/2/05	7.76	7.88
9/22/05	6.57	7.33
6/8/06	6.54	6.55
8/15/06	7.60	7.66
9/12/07	7.24	7.33

TABLE 4.4 Concentrations of carbon tetrachloride and chloroform in branch tissues in a time series of 11 sampling events, 2005-2007.

Location	Concentration (µg/kg) on Date Indicated ^a										
	9/27/05	3/2/06	4/4/06	8/15/06	4/4/07	7/23/07	8/1/07	8/9/07	8/16/07	8/23/07	10/10/07
<i>Carbon tetrachloride</i>											
W109 willow	NS ^b	NS	NS	NS	ND ^c	2	NS	29	28	26	27
W110 willow	NS	NS	NS	NS	NS	NS	9	43	10	13	4
W119 willow	19	NS	ND	455	3	692	245	14	569	224	744
W128 willow	NS	3	ND	151	< 1	7	5	< 1	3	5	361
W505 cottonwood	NS	NS	ND	148	< 1	56	5	18	161	8	3
W606 cottonwood	22	3	NS	143	3	805	1957	2135	2136	2182	41
<i>Chloroform</i>											
W109 willow	NS	NS	NS	NS	11	2	NS	27	15	18	23
W110 willow	NS	NS	NS	NS	NS	NS	6	25	6	17	7
W119 willow	23	NS	1	156	43	72	61	14	62	49	98
W128 willow	NS	1	2	69	3	4	4	2	3	10	53
W505 cottonwood	NS	NS	ND	17	ND	36	16	32	18	14	4
W606 cottonwood	9	ND	NS	17	ND	86	150	172	150	211	25

^a Shading highlights weekly sampling of the same branches of selected trees in August 2007.

^b Not sampled.

^c ND, not detected at reporting limits of 0.1 µg/kg for carbon tetrachloride and 0.75 µg/kg for chloroform.

TABLE 4.5 Analytical results for volatile organic compounds in groundwater samples collected from monitoring wells at Murdock, 2005-2007.

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L)		
				Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in phytoremediation treatment area						
PMW1S	MUPMW1S-W-18318	7/19/05	4.6–14.6	9.4	0.4 J ^a	ND ^b
PMW1S	MUPMW1S-W-15720	4/6/06	4.6–14.6	4.1	0.3 J	ND
PMW1S	MUPMW1S-W-18168	8/17/06	4.6–14.6	0.2 J	ND	ND
PMW1S	MUPMW1S-W-18205	4/12/07	4.6–14.6	0.9 J	ND	ND
PMW1S	MUPMW1S-W-22846	7/24/07	4.6–14.6	820	2.7	ND
PMW1D	MUPMW1D-W-18313	7/19/05	24.6–34.6	1233	5.2	ND
PMW1D	MUPMW1D-W-15721	4/6/06	24.6–34.6	3077	1.6	ND
PMW1D	MUPMW1D-W-18166	8/17/06	24.6–34.6	2241	9.3	ND
PMW1D	MUPMW1D-W-18206	4/12/07	24.6–34.6	1876	4.8	ND
PMW1D	MUPMW1D-W-22845	7/24/07	24.6–34.6	1706	ND ^c	ND
PMW1D	MUPMW1D-W-22847 ^d	7/24/07	24.6–34.6	1865	ND ^c	ND
PMW2SA	MUPMW2SA-W-15717	4/6/06	4.6–14.6	359	2.8	ND
PMW2SA	MUPMW2SA-W-18163	8/17/06	4.6–14.6	385	3.5	ND
PMW2SA	MUPMW2SA-W-18196	4/12/07	4.6–14.6	603	6.1	ND
PMW2SA	MUPMW2SA-W-22839	7/23/07	4.6–14.6	2742	7.9	ND
PMW2SB	MUPMW2SB-W-18334	7/21/05	4.6–14.6	377	6.4	ND
PMW2SB	MUPMW2SB-W-18194	4/12/07	4.6–14.6	586	4.2	ND
PMW2D	MUPMW2D-W-18314	7/19/05	19.6–29.6	1564	4.8	ND
PMW2D	MUPMW2D-W-15718	4/6/06	19.6–29.6	3353	9.6	ND
PMW2D	MUPMW2D-W-15719 ^d	4/6/06	19.6–29.6	3827	10	ND
PMW2D	MUPMW2D-W-18164	8/17/06	19.6–29.6	1336	7.4	ND
PMW2D	MUPMW2D-W-18165 ^d	8/17/06	19.6–29.6	1475	7.6	ND
PMW2D	MUPMW2D-W-18193	4/12/07	19.6–29.6	1273	5.9	ND
PMW2D	MUPMW2D-W-22841	7/23/07	19.6–29.6	1009	8.2	ND
PMW2D	MUPMW2D-W-22843 ^d	7/23/07	19.6–29.6	863	6.6	ND
PMW3S	MUPMW3S-W-18331	7/21/05	4.5–14.5	394	2.4	ND
PMW3S	MUPMW3S-W-15673	4/5/06	4.5–14.5	65	0.7 J	ND
PMW3S	MUPMW3S-W-18159	8/15/06	4.5–14.5	85	1.0	ND
PMW3S	MUPMW3S-W-18160 ^d	8/15/06	4.5–14.5	140	1.5	ND
PMW3S	MUPMW3S-W-18201	4/12/07	4.5–14.5	90	ND	ND
PMW3S	MUPMW3S-W-22834	7/23/07	4.5–14.5	1133	12	ND
PMW3D	MUPMW3D-W-18316	7/19/05	19.5–24.5	801	4.9	ND
PMW3D	MUPMW3D-W-15671	4/5/06	19.5–24.5	346	ND	ND
PMW3D	MUPMW3D-W-18161	8/15/06	19.5–24.5	444	4.4	ND
PMW3D	MUPMW3D-W-18202	4/12/07	19.5–24.5	382	3.0	ND
PMW3D	MUPMW3D-W-22833	7/23/07	19.5–24.5	352	2.9	ND

TABLE 4.5 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L)		
				Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in phytoremediation treatment area (cont.)						
PMW4	MUPMW4-W-18321	7/20/05	19.5–24.5	52	1.8	ND
PMW4	MUPMW4-W-15728	4/10/06	19.5–24.5	31	0.6 J	ND
PMW4	MUPMW4-W-18346	8/21/06	19.5–24.5	35	0.6 J	ND
PMW4	MUPMW4-W-18188	4/9/07	19.5–24.5	65	1.0	ND
PMW4	MUPMW4-W-22849	7/24/07	19.5–24.5	75	1.1	ND
PMW5	MUPMW5-W-18322	7/20/05	4.5–14.5	118	1.0	ND
PMW5	MUPMW5-W-15727	4/10/06	4.5–14.5	178	1.5	ND
PMW5	MUPMW5-W-18347	8/21/06	4.5–14.5	34	0.2 J	ND
PMW5	MUPMW5-W-18204	4/12/07	4.5–14.5	355	2.9	ND
PMW5	MUPMW5-W-22850	7/24/07	4.5–14.5	372	3.6	ND
PMW6	MUPMW6-W-18333	7/21/05	4.5–14.5	9.6	0.4 J	ND
PMW6	MUPMW6-W-15724	4/10/06	4.5–14.5	8.7	0.4 J	ND
PMW6	MUPMW6-W-15725 ^d	4/10/06	4.5–14.5	8.1	0.3 J	ND
PMW6	MUPMW6-W-18174	8/23/06	4.5–14.5	9.4	0.6 J	ND
PMW6	MUPMW6-W-18190	4/10/07	4.5–14.5	5.5	0.4 J	ND
PMW6	MUPMW6DUP-W-18190X ^d	4/10/07	4.5–14.5	5.8	0.4 J	ND
PMW6	MUPMW6-W-22853	7/24/07	4.5–14.5	6.9	0.2 J	ND
PMW7	MUPMW7-W-18332	7/21/05	14.5–19.5	3.5	0.6 J	ND
PMW7	MUPMW7-W-15722	4/10/06	14.5–19.5	3.7	0.9 J	ND
PMW7	MUPMW7-W-18172	8/23/06	14.5–19.5	5.4	1.1	ND
PMW7	MUPMW7-W-18173 ^d	8/23/06	14.5–19.5	5.1	1.0	ND
PMW7	MUPMW7-W-18192	4/10/07	14.5–19.5	3.4	0.7 J	ND
PMW7	MUPMW7-W-22854	7/24/07	14.5–19.5	2.5	0.7 J	ND
PMW8	MUPMW8-W-18323	7/20/05	4.5–14.5	23	0.8 J	ND
PMW8	MUPMW8-W-15726	4/10/06	4.5–14.5	16	0.6 J	ND
PMW8	MUPMW8-W-18169	8/21/06	4.5–14.5	19	0.7 J	ND
PMW8	MUPMW8-W-18189	4/9/07	4.5–14.5	17	0.5 J	ND
PMW8	MUPMW8-W-22851	7/24/07	4.5–14.5	26	0.5 J	ND
PMW9S	MUPMW9S-W-18328	7/20/05	5.0–9.0	10	14	ND
PMW9S	MUPMW9S-W-15712	4/5/06	5.0–9.0	8.1	14	ND
PMW9S	MUPMW9S-W-17206	8/16/06	5.0–9.0	11	8.7	ND
PMW9S	MUPMW9S-W-18197	4/12/07	5.0–9.0	11	24	ND
PMW9S	MUPMW9S-W-22837	7/23/07	5.0–9.0	17	5.2	ND
PMW9M	MUPMW9M-W-18329	7/20/05	11.0–15.0	60	2.0	ND
PMW9M	MUPMW9M-W-15674	4/5/06	11.0–15.0	60	1.8	ND
PMW9M	MUPMW9M-W-17207	8/16/06	11.0–15.0	44	1.6	ND
PMW9M	MUPMW9M-W-18200	4/12/07	11.0–15.0	28	1.2	ND
PMW9M	MUPMW9M-W-22835	7/23/07	11.0–15.0	24	0.5 J	ND

TABLE 4.5 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L)		
				Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in phytoremediation treatment area (cont.)						
PMW9D	MUPMW9D-W-18315	7/20/05	20–30	4.6	0.9 J	ND
PMW9D	MUPMW9D-W-15713	4/6/06	19.5–29.5	ND	0.4 J	ND
PMW9D	MUPMW9D-W-18345	8/16/06	19.5–29.5	0.5 J	0.3 J	ND
PMW9D	MUPMW9D-W-18198	4/12/07	19.5–29.5	ND	0.3 J	ND
PMW9D	MUPMW9D-W-22842	7/23/07	19.5–29.5	0.7 J	0.5 J	ND
W103	MU578-W-18260	7/19/05	5.66–7.78	ND	ND	ND
W103	MUW103-W-17200	4/13/06	2.9–5.0	ND	ND	ND
W103	MUW103-W-18182	8/24/06	2.9–5.0	ND	ND	ND
W103	MUW103-W-18208	4/12/07	2.9–5.0	ND	ND	ND
W103	MUW103-W-22867	8/2/07	2.9–5.0	ND	ND	ND
W410	MUTW444-W-18261	7/25/05	2.5–4.9	38	31	ND
W410	MUW410-W-18127	4/13/06	2.5–4.9	1.6	3.6	ND
W410	MUW410-W-22872	8/2/07	2.5–4.9	15	23	ND
Wells in upgradient plume area						
2S	MU2S-W-18308	7/18/05	70.5–80.5	85	2.5	ND
2S	MUS2-W-17202	4/18/06	70.5–80.5	88	1.6	ND
2S	MUS2-W-18179	8/24/06	70.5–80.5	130	2.8	ND
2S	MUS2-W-18180 ^d	8/24/06	70.5–80.5	124	2.8	ND
2S	MU2S-W-18213	4/13/07	70.5–80.5	100	2.4	ND
2S	MU2S-W-22861	7/25/07	70.5–80.5	102	2.3	ND
2D	MUD2-W-18344	7/22/05	85.0–95.0	10	3.4	ND
2D	MUD2-W-17201	4/17/06	85.0–95.0	2.2	4.6	ND
2D	MUD2-W-18181	8/24/06	85.0–95.0	36	4.1	ND
2D	MU2D-W-18212	4/13/07	85.0–95.0	20	4.9	ND
2D	MU2D-W-22859	7/25/07	85.0–95.0	17	5.3	ND
SB65S	MUSB65S-W-18335	7/21/05	23.7–38.7	ND	ND	ND
SB65S	MUSB65S-W-15732	4/13/06	23.7–38.7	0.5 J	ND	ND
SB65S	MUSB65S-W-18176	8/23/06	23.7–38.7	0.7 J	ND	ND
SB65S	MUSB65S-W-18209	4/13/07	23.7–38.7	ND	ND	ND
SB65S	MUSB65S-W-22855	7/25/07	23.7–38.7	ND	ND	ND
SB65D	MU65D-W-18309	7/18/05	38.0–53.0	201	1.0	ND
SB65D	MUSB65D-W-15733	4/13/06	38.0–53.0	582	3.6	ND
SB65D	MUSB65D-W-18175	8/23/06	38.0–53.0	595	4.9	ND
SB65D	MUSB65D-W-18210	4/13/07	38.0–53.0	457	2.7	ND
SB65D	MUSB65-W-18210X ^d	4/13/07	38.0–53.0	456	2.4	ND
SB65D	MUSB65D-W-22857	7/25/07	38.0–53.0	122	ND ^c	ND
SB65D	MUSB65D-W-22858 ^d	7/25/07	38.0–53.0	121	ND ^c	ND

TABLE 4.5 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Concentration (µg/L)		
				Carbon Tetrachloride	Chloroform	Methylene Chloride
Wells in upgradient plume area (cont.)						
TEST-1	MUTEST1-W-18311	7/18/05	60.0–65.0	81	49	ND
TEST-1	MUTEST1-W-18125	4/13/06	60.0–65.0	79	24	ND
TEST-1	MUTST1-W-18177	8/23/06	60.0–65.0	84	24	0.4 J
TEST-1	MUTST1-W-18178 ^d	8/23/06	60.0–65.0	88	23	0.3 J
TEST-1	MUGWEXTEST1-W-18214	4/13/07	60.0–65.0	138	18	ND
TEST-1	MUGWTXT-W-22862	7/25/07	60.0–65.0	187	14	ND

^a Qualifier J indicates an estimated concentration below the method quantitation limit of 1.0 µg/L.

^b ND, not detected at instrument detection limit of 0.1 µg/L.

^c No analysis at zero dilution to detect chloroform.

^d Quality control replicate.

TABLE 4.6 Geochemical parameters measured in water samples collected at Murdock, 2005-2007.

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron(II) (mg/L)	Oxygen-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen ^a (mg/L)
<i>Monitoring wells in phytoremediation treatment area</i>										
PMW1S	MUPMW1S-W-18318	7/19/05	4.6–14.6	19.8	6.45	463	NR ^b	NR	NR	NA ^c
PMW1S	MUPMW1S-W-15720	4/6/06	4.6–14.6	10.7	6.81	470	8.29	0.09	177	15.4
PMW1S	MUPMW1S-W-18168	8/17/06	4.6–14.6	18.7	6.68	377	0.13	0.07	27	1.98
PMW1S	MUPMW1S-W-18205	4/12/07	4.6–14.6	8.9	7.05	328	2.71	0.10	311	4.4
PMW1S	MUPMW1S-W-22846	7/24/07	4.6–14.6	16.6	6.33	442	6.01	0.01	73	9.5
PMW1D	MUPMW1D-W-18313	7/19/05	24.6–34.6	14.6	6.85	416	8.31	0.00	215	3.84 ^a
PMW1D	MUPMW1D-W-15721	4/6/06	24.6–34.6	12.2	6.74	430	8.04	0.12	188	4.25
PMW1D	MUPMW1D-W-18166	8/17/06	24.6–34.6	14.9	6.42	403	7.17	0.15	84	4.23
PMW1D	MUPMW1D-W-18206	4/12/07	24.6–34.6	10.4	6.76	446	3.86	0.00	210	4.9
PMW1D	MUPMW1D-W-22845	7/24/07	24.6–34.6	15.8	6.27	494	7.91	0.06	65	5.9
PMW2SA	MUPMW2SA-W-15717	4/6/06	4.6–14.6	10.0	6.87	439	8.91	0.09	189	8.28
PMW2SA	MUPMW2SA-W-18163	8/17/06	4.6–14.6	17.8	6.42	443	5.62	0.06	96	7.45
PMW2SA	MUPMW2SA-W-18196	4/12/07	4.6–14.6	9.6	6.90	511	4.44	0.33	276	13
PMW2SA	MUPMW2SA-W-22839	7/23/07	4.6–14.6	16.5	6.44	416	9.48	0.20	188	5.8
PMW2SB	MUPMW2SB-W-18334	7/21/05	4.6–14.6	16.0	6.54	540	7.67	0.55	NR	13.0 ^a
PMW2SB	MUPMW2SB-W-18194	4/12/07	4.6–14.6	9.5	6.84	521	5.60	1.14	289	NR
PMW2D	MUPMW2D-W-18314	7/19/05	19.6–29.6	12.0	6.56	500	8.36	0.00	220	4.48 ^a
PMW2D	MUPMW2D-W-15718	4/6/06	19.6–29.6	11.8	6.68	435	7.26	0.13	202	5.75
PMW2D	MUPMW2D-W-18164	8/17/06	19.6–29.6	14.9	6.40	461	7.00	0.23	73	5.45
PMW2D	MUPMW2D-W-18193	4/12/07	19.6–29.6	10.2	6.78	444	3.75	0.13	296	7.5
PMW2D	MUPMW2D-W-22841	7/23/07	19.6–29.6	17.8	6.43	454	8.94	0.10	114	5.5
PMW3S	MUPMW3S-W-18331	7/21/05	4.5–14.5	13.0	6.16	407	8.17	0.20	NR	6.12 ^a
PMW3S	MUPMW3S-W-15673	4/5/06	4.5–14.5	10.6	6.45	419	8.49	1.51	207	8.80
PMW3S	MUPMW3S-W-18159	8/15/06	4.5–14.5	15.8	6.96	403	7.48	0.13	72	6.20
PMW3S	MUPMW3S-W-18201	4/12/07	4.5–14.5	10.6	6.75	432	5.18	0.23	265	9.0
PMW3S	MUPMW3S-W-22834	7/23/07	4.5–14.5	14.0	6.25	528	7.57	0.00	115	5.5

TABLE 4.6 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron(II) (mg/L)	Oxygen-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen ^a (mg/L)
<i>Monitoring wells in phytoremediation treatment area (cont.)</i>										
PMW3D	MUPMW3D-W-18316	7/19/05	19.5–24.5	12.1	6.44	595	7.17	0.00	215	5.06 ^a
PMW3D	MUPMW3D-W-15671	4/5/06	19.5–24.5	11.6	6.86	638	5.13	0.00	196	5.76
PMW3D	MUPMW3D-W-18161	8/15/06	19.5–24.5	14.0	7.32	620	5.01	0.15	77	5.45
PMW3D	MUPMW3D-W-18202	4/12/07	19.5–24.5	10.8	7.03	646	2.40	0.16	279	6.3
PMW3D	MUPMW3D-W-22833	7/23/07	19.5–24.5	18.7	6.07	586	6.14	0.17	62	5.8
PMW4	MUPMW4-W-18321	7/20/05	19.5–24.5	13.0	6.36	395	7.97	NR	210	9.08 ^a
PMW4	MUPMW4-W-15728	4/10/06	19.5–24.5	11.3	6.80	411	8.05	0.31	207	9.98
PMW4	MUPMW4-W-18346	8/21/06	19.5–24.5	14.9	6.37	410	2.97	0.05	102	11.8
PMW4	MUPMW4-W-18188	4/9/07	19.5–24.5	11.2	6.86	429	2.01	0.04	235	11
PMW4	MUPMW4-W-22849	7/24/07	19.5–24.5	20.2	6.27	379	3.02	0.33	72	10
PMW5	MUPMW5-W-18322	7/20/05	4.5–14.5	14.6	6.56	520	6.74	0.00	NR	4.58 ^a
PMW5	MUPMW5-W-15727	4/10/06	4.5–14.5	10.2	6.86	591	7.16	0.26	191	5.17
PMW5	MUPMW5-W-18347	8/21/06	4.5–14.5	16.6	6.58	572	6.42	0.38	86	5.02
PMW5	MUPMW5-W-18204	4/12/07	4.5–14.5	9.7	6.96	587	5.14	0.44	301	5.2
PMW5	MUPMW5-W-22850	7/24/07	4.5–14.5	18.2	6.52	491	7.36	0.01	58	4.8
PMW6	MUPMW6-W-18333	7/21/05	4.5–14.5	18.4	6.52	884	NR	NR	NR	NA
PMW6	MUPMW6-W-15724	4/10/06	4.5–14.5	10.7	6.72	863	5.15	0.17	222	10.7
PMW6	MUPMW6-W-18174	8/23/06	4.5–14.5	17.3	6.58	835	3.16	0.82	68	9.33
PMW6	MUPMW6-W-18190	4/10/07	4.5–14.5	8.4	7.03	792	4.04	0.00	83	16
PMW6	MUPMW6-W-22853	7/24/07	4.5–14.5	15.7	6.34	808	7.15	0.20	49	12
PMW7	MUPMW7-W-18332	7/21/05	14.5–19.5	14.6	6.31	691	NR	NR	NR	NA
PMW7	MUPMW7-W-15722	4/10/06	14.5–19.5	11.3	6.36	604	8.65	0.00	174	10.8
PMW7	MUPMW7-W-18172	8/23/06	14.5–19.5	13.9	6.41	642	9.26	0.07	96	14.9
PMW7	MUPMW7-W-18192	4/10/07	14.5–19.5	9.0	7.12	695	6.28	0.06	160	18
PMW7	MUPMW7-W-22854	7/24/07	14.5–19.5	15.7	6.43	640	8.50	0.00	114	15

TABLE 4.6 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron(II) (mg/L)	Oxygen-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen ^a (mg/L)
<i>Monitoring wells in phytoremediation treatment area (cont.)</i>										
PMW8	MUPMW8-W-18323	7/20/05	4.5–14.5	15.8	6.46	418	2.79	0.60	NR	4.63 ^a
PMW8	MUPMW8-W-15726	4/10/06	4.5–14.5	10.1	6.82	435	5.42	0.07	181	5.37
PMW8	MUPMW8-W-18169	8/21/06	4.5–14.5	16.2	6.52	425	5.93	0.00	100	6.43
PMW8	MUPMW8-W-18189	4/9/07	4.5–14.5	9.1	6.91	453	3.73	0.03	147	5.9
PMW8	MUPMW8-W-22851	7/24/07	4.5–14.5	17.3	6.41	417	7.08	0.08	138	9.3
PMW9S	MUPMW9S-W-18328	7/20/05	5.0–9.0	21.3	6.41	508	NR	NR	NR	NA
PMW9S	MUPMW9S-W-15712	4/5/06	5.0–9.0	10.1	6.87	474	5.36	0.13	203	12.3
PMW9S	MUPMW9S-W-17206	8/16/06	5.0–9.0	19.5	6.30	454	4.54	0.05	111	11.2
PMW9S	MUPMW9S-W-18197	4/12/07	5.0–9.0	8.5	6.79	542	2.41	0.02	251	15
PMW9S	MUPMW9S-W-22837	7/23/07	5.0–9.0	19.6	6.32	466	1.34	0.00	120	12
PMW9M	MUPMW9M-W-18329	7/20/05	11.0–15.0	14.8	6.24	466	NR	NR	NR	NA
PMW9M	MUPMW9M-W-15674	4/5/06	11.0–15.0	10.3	6.62	502	4.55	0.06	206	12.3
PMW9M	MUPMW9M-W-17207	8/16/06	11.0–15.0	16.2	6.41	461	4.19	0.12	203	12.7
PMW9M	MUPMW9M-W-18200	4/12/07	11.0–15.0	9.6	6.81	521	3.51	0.00	275	14
PMW9M	MUPMW9M-W-22835	7/23/07	11.0–15.0	19.8	6.33	448	4.85	0.20	102	13
PMW9D	MUPMW9D-W-18315	7/20/05	19.5–29.5	25.1	7.13	643	NR	NR	NR	3.85 ^a
PMW9D	MUPMW9D-W-15713	4/6/06	19.5–29.5	12.0	7.23	646	3.52	0.00	189	0.17
PMW9D	MUPMW9D-W-18345	8/16/06	19.5–29.5	14.9	7.06	659	3.48	0.09	177	2.25
PMW9D	MUPMW9D-W-18198	4/12/07	19.5–29.5	8.7	7.38	674	0.07	0.47	318	0.95
PMW9D	MUPMW9D-W-22842	7/23/07	19.5–29.5	NR	NR	NR	1.10	0.09	23	2.4
W103	MU578-W-18260	7/19/05	2.9–5.0	24.5	6.57	4100	NR	NR	NR	NA
W103	MUW103-W-17200	4/13/06	2.9–5.0	12.5	6.66	2860	NR	NR	NR	13.1
W103	MUW103-W-18182	8/24/06	2.9–5.0	25.3	6.79	3450	NR	3.30	-145	0.143
W103	MUW103-W-18208	4/12/07	2.9–5.0	8.2	7.24	733	0.86	1.75	57	2.0
W103	MUW103-W-22867	8/2/07	2.9–5.0	22.2	6.44	1492	0.67	2.52	-167	0.12
W410	MUW410-W-22872	8/2/07	2.5-4.87	23.8	6.29	1048	0.10	3.30	-100	0.54

TABLE 4.6 (Cont.)

Location	Sample	Sample Date	Depth (ft BGL)	Temperature (°C)	pH	Conductivity (µS/cm)	Dissolved Oxygen (mg/L)	Iron(II) (mg/L)	Oxygen-Reduction Potential (mV)	Nitrate-Nitrite Nitrogen ^a (mg/L)
<i>Monitoring wells in upgradient plume area</i>										
2S	MUS2-W-18308	7/18/05	70.5–80.5	16.3	6.20	552	6.76	0.00	275	5.00 ^a
2S	MUS2-W-17202	4/18/06	70.5–80.5	13.4	6.43	566	6.48	0.00	61	5.16
2S	MUS2-W-18179	8/24/06	70.5–80.5	16.5	6.30	552	6.32	0.15	141	4.18
2S	MU2S-W-18213	4/13/07	70.5–80.5	13.9	6.65	568	4.06	0.05	279	5.7
2S	MU2S-W-22861	7/25/07	70.5–80.5	16.7	6.24	550	6.19	0.06	74	5.1
2D	MUD2-W-18344	7/22/05	85.0–95.0	d	d	d	d	d	d	d
2D	MUD2-W-17201	4/17/06	85.0–95.0	13.1	8.21	481	0.95	0.12	140	1.64
2D	MUD2-W-18181	8/24/06	85.0–95.0	21.2	6.92	598	6.69	0.33	113	2.61
2D	MU2D-W-18212	4/13/07	85.0–95.0	14.9	9.17	260	0.10	0.14	140	4.4
2D	MU2D-W-22859	7/25/07	85.0–95.0	22.8	6.88	609	0.86	0.00	116	4.9
SB65S	MUSB65S-W-18335	7/21/05	23.7–38.7	15.3	6.28	403	NR	NR	NR	NA
SB65S	MUSB65S-W-15732	4/13/06	23.7–38.7	12.5	6.59	371	7.24	0.00	228	9.17
SB65S	MUSB65S-W-18176	8/23/06	23.7–38.7	17.7	6.18	403	7.17	0.17	120	9.98
SB65S	MUSB65S-W-18209	4/13/07	23.7–38.7	12.9	6.49	401	3.85	0.00	318	8.5
SB65S	MUSB65S-W-22855	7/25/07	23.7–38.7	18.3	5.93	331	6.29	0.10	111	13
SB65D	MU65D-W-18309	7/18/05	38.0–53.0	15.1	6.28	510	8.76	0.00	235	4.74 ^a
SB65D	MUSB65D-W-15733	4/13/06	38.0–53.0	16.2	6.59	494	NR	NR	203	5.96
SB65D	MUSB65D-W-18175	8/23/06	38.0–53.0	17.2	6.51	489	8.06	0.00	102	5.67
SB65D	MUSB65D-W-18210	4/13/07	38.0–53.0	13.4	6.70	514	2.16	0.00	248	5.5
SB65D	MUSB65D-W-22857	7/25/07	38.0–53.0	16.9	6.33	493	5.62	0.05	169	5.7
TEST-1	MUTEST1-W-18311	7/18/05	60.0–65.0	12.7	6.56	663	5.14	NR	245	6.13 ^a
TEST-1	MUTEST1-W-18125	4/13/06	60.0–65.0	16.0	6.71	631	NR	NR	NR	7.12
TEST-1	MUTST1-W-18177	8/23/06	60.0–65.0	16.5	6.61	616	6.82	0.02	126	7.15
TEST-1	MUGWEXTST1-W-18214	4/13/07	60.0–65.0	14.1	4.48	647	2.70	0.10	286	8.3
TEST-1	MUGWTXT-W-22862	7/25/07	60.0–65.0	16.4	6.45	615	6.43	0.11	244	7.3

TABLE 4.6 (Cont.)

- a July 2005 samples analyzed for nitrate as nitrogen.
- b NR, not recorded.
- c NA, not analyzed.
- d Well dry.

TABLE 4.7 Analytical results for volatile organic compounds in surface water samples collected at Murdock, 2005-2007.

Location	Sample	Sample Date	Concentration (µg/L)		
			Carbon Tetrachloride	Chloroform	Methylene Chloride
SWM1	MUSWM1-W-15730	4/10/06	151	8.3	0.4 J ^a
SWM1	MUSWM1-W-18147	8/14/06	380	6.3	ND ^b
SWM1	MUSWM1-W-15724	11/8/06	259	12	1.6
SWM1	MUSWM1-W-18184	2/23/07	237	12	ND
SWM1	MUSWM1-W-18250	4/18/07	149	8.5	ND
SWM1	MUSWM1-W-22863	8/1/07	77	1.9	ND
SWM1	MUSWM1-W-18954	11/8/07	52	1.4	ND
SWM1	MUSWM1-W-18955 ^c	11/8/07	56	1.6	ND
SWM2	MUSWM2-W-15729	4/10/06	3.6	0.4 J	ND
SWM2	MUSWM2-W-18148	8/14/06	1.4	0.2 J	ND
SWM2	MUSWM2-W-15725	11/8/06	6.1	0.6 J	ND
SWM2	MUSWM2-W-18185	2/23/07	7.5	0.6 J	ND
SWM2	MUSWM2-W-18251	4/18/07	3.5	0.4 J	ND
SWM2	MUSWM2-W-22865	8/1/07	4.4	0.3 J	ND
SWM2	MUSWM2-W-18956	11/8/07	19	0.7 J	ND
SWM3	MU-W-15670	10/19/05	ND	ND	ND
SWM3	MUSWM3-W-15731	4/10/06	ND	ND	ND
SWM3	MUSWM3-W-18149	8/14/06	ND	ND	ND
SWM3	MUSWM3-W-18150 ^c	8/14/06	ND	ND	ND
SWM3	MUSWM3-W-15726	11/8/06	0.7 J	ND	ND
SWM3	MUSWM3-W-18186	2/23/07	2.4	0.2 J	ND
SWM3	MUSWM3-W-18252	4/18/07	0.3 J	ND	ND
SWM3	MUSWM3-W-22866	8/1/07	1	ND	ND
SWM3	MUSWM3-W-18957	11/8/07	4.4	ND	ND

^a Qualifier J indicates an estimated concentration below the method quantitation limit of 1.0 µg/L.

^b ND, not detected at instrument detection limit of 0.1 µg/L.

^c Quality control replicate.

TABLE 4.8 Analytical results from Severn-Trent/TestAmerica for volatile organic compounds in ambient air at Murdock in 2006-2007.

Location ^a	Sample	Sample Date	Concentrations (µg/m ³)											
			2-Butanone	2-Chloro-toluene	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Chloro-methane	Dichlorodi-fluoromethane	Toluene	Trichloro-fluoromethane	
Ambient air monitoring in May 2006														
AA1	MUAA1-G-15785	5/17/06			12 U ^b	0.64 U		1.3 U	0.98 U	1.4	3.3	0.94	1.6	
AA2	MUAA2-G-15791				12 U	0.64 U		1.3 U	0.98 U	1.8	3.6	2.5	1.7	
AA3	MUAA3-G-15788				12 U	0.64 U		1.3 U	0.98 U	1.7	3.3	1.2	1.6	
BA1	MUBA1-G-17203				12 U	0.64 U		1.3 U	0.98 U	1.6	3.6	1	1.7	
AA1	MUAA1-G-15786	5/18/06			12 U	0.64 U		1.3 U	0.98 U	1.5	3.4	0.9	1.7	
AA2	MUAA2-G-15792				12 U	0.64 U		1.4	0.98 U	1.6	3.6	0.94	1.7	
AA3	MUAA3-G-15789				12 U	0.64 U		1.3 U	0.98 U	1.4	3.2	0.87	1.5	
BA1	MUBA1-G-17204				12 U	0.64 U		1.3 U	0.98 U	1.5	3.2	1.9	1.3	
AA1	MUAA1-G-15787	5/19/06			12 U	0.64 U		1.3 U	0.98 U	1.5	3.2	1.8	1.5	
AA2	MUAA2-G-15793				12 U	0.64 U		1.3 U	0.98 U	1.8	3.5	1.8	1.7	
AA3	MUAA3-G-15790				12 U	0.77		1.3 U	0.98 U	2	3.9	3.4	2	
BA1	MUBA1-G-17205				18	0.64 U		1.3 U	0.98 U	2.1	3.4	1.7	1.6	
Ambient air monitoring in August 2006														
AA1	MUAA1-G-18138	8/14/06			15	1.2	1.6 U	1.3 U	0.98 U	1.4	3.2	4.5	1.5	
AA2	MUAA2-G-18144			2.1	22	1.2	1.6 U	1.3 U	0.98 U	1.6	3.7	5.7	1.6	
AA3	MUAA3-G-18141			1.5 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.6	3.5	1.3	1.6	
BA1	MUBA1-G-18135			7.7		50	0.64 U	1.6 U	1.3 U	0.98 U	1.4	3	1.2	1.5
AA1	MUAA1-G-18139	8/15/06	1.5 U		12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.5	3.4	0.75	1.6	
AA2	MUAA2-G-18145			1.5 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.6	3.7	0.75 U	1.6	
AA3	MUAA3-G-18142			1.5 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.7	3.7	0.9	1.8	
BA1	MUBA1-G-18136			1.5 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.5	3.3	0.87	1.6	
AA1	MUAA1-G-18140	8/16/06	2.8		15	0.64 U	1.6	1.3 U	0.98 U	1.9	3.8	1.6	1.7	
AA2	MUAA2-G-18146			2.3	19	0.64 U	1.6 U	1.3 U	0.98 U	1.8	3.7	0.9	1.7	
AA3	MUAA3-G-18143			27	170	1.3 U	3.1 U	2.5 U	2 U	4.3	4.9 U	1.5 U	2.2 U	
BA1	MUBA1-G-18137			1.5	13	0.64 U	1.6 U	1.3 U	0.98 U	1.7	3.5	0.75 U	1.6	
Ambient air monitoring in April 2007														
AA1	MUAA1-G-18241	4/17/07	1.8	1 U	15	0.64 U	1.6 U	1.3 U	0.98 U	1.2	2.5	0.75 U	1.2	
AA2	MUAA2-G-18247			2.3	1 U	20	0.64 U	1.6 U	1.3 U	0.98 U	1.3	2.6	0.75 U	1.2
AA3	MUAA3-G-18244			1.9	1 U	13	0.73	1.6 U	1.3 U	0.98 U	1.2	2.9	1.9	1.3
BA1	MUBA1-G-18238			1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.2	2.5	1.1	1.1
AA1	MUAA1-G-18242	4/18/07	1.6	1 U	14	0.64 U	1.6 U	1.3 U	0.98 U	1.3	2.6	0.75 U	1.2	
AA2	MUAA2-G-18248			1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.3	2.5 U	0.75 U	1.1
AA3	MUAA3-G-18245			1.5 U	1 U	15	0.64 U	1.6 U	1.3 U	0.98 U	1.3	2.7	0.75 U	1.2
BA1	MUBA1-G-18239			1.5 U	1 U	16	0.64 U	1.6 U	1.3 U	0.98 U	1.3	2.8	0.75 U	1.3

TABLE 4.8 (Cont.)

Location ^a	Sample	Sample Date	Concentrations (µg/m ³)										
			2-Butanone	2-Chloro- toluene	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	Chloro- methane	Dichlorodi- fluoromethane	Toluene	Trichloro- fluoromethane
Ambient air monitoring in April 2007 (cont.)													
AA1	MUAA1-G-18243	4/19/07	3.8	1 U	31	0.64 U	1.6 U	1.3 U	0.98 U	1.4	2.7	0.75 U	1.2
AA2	MUAA2-G-18249		1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	1.1	1.2
AA3	MUAA3-G-18246		6.2	1 U	33	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	0.75 U	1.1
BA1	MUBA1-G-18240		1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.3	2.6	0.75 U	1.2
Ambient air monitoring in July 2007													
AA1	MUAA1-G-22229	7/23/07	1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1 U	2.5 U	0.75 U	1.1
AA2	MUAA2-G-22235		2.1	1 U	13	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	0.75 U	1.1
AA3	MUAA3-G-22232		1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1 U	2.5 U	0.75 U	1.2
BA1	MUBA1-G-22226		2.9	1 U	18	0.64 U	1.6 U	1.3 U	0.98 U	1	2.5 U	0.75 U	1.1
AA1	MUAA1-G-22230	7/24/07	2.4	1 U	16	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	0.75 U	1.2
AA2	MUAA2-G-22236		1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	0.75 U	1.1
AA3	MUAA3-G-22233		1.5	1 U	17	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	0.75 U	1.1
BA1	MUBA1-G-22227		1.5	1 U	16	0.64 U	1.6 U	1.3 U	0.98 U	1.1	2.5 U	0.75 U	1.2
AA1	MUAA1-G-22231	7/25/07	2.9	3.2	14	0.64 U	5.9	1.3 U	0.98 U	2.9	3	0.75 U	1.2
AA2	MUAA2-G-22237		1.6	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.4	3	0.75 U	1.2
AA3	MUAA3-G-22234		1.9	1 U	13	0.64 U	1.6 U	1.3 U	0.98 U	1.3	3	0.75 U	1.1
BA1	MUBA1-G-22228		1.5 U	1 U	12 U	0.64 U	1.6 U	1.3 U	0.98 U	1.2	2.8	0.75 U	1.1

^a Locations (see Figure 3.5):

- AA1 Headwaters area, west side of creek along path in phytoremediation area.
- AA2 Phytoremediation area, east side of creek, west of monitoring well PMW6.
- AA3 West side of wetlands area.
- BA1 Background location in drainageway on south side of Waverly Road.

^b Qualifier U indicates that the compound was not detected at the indicated reporting limit.

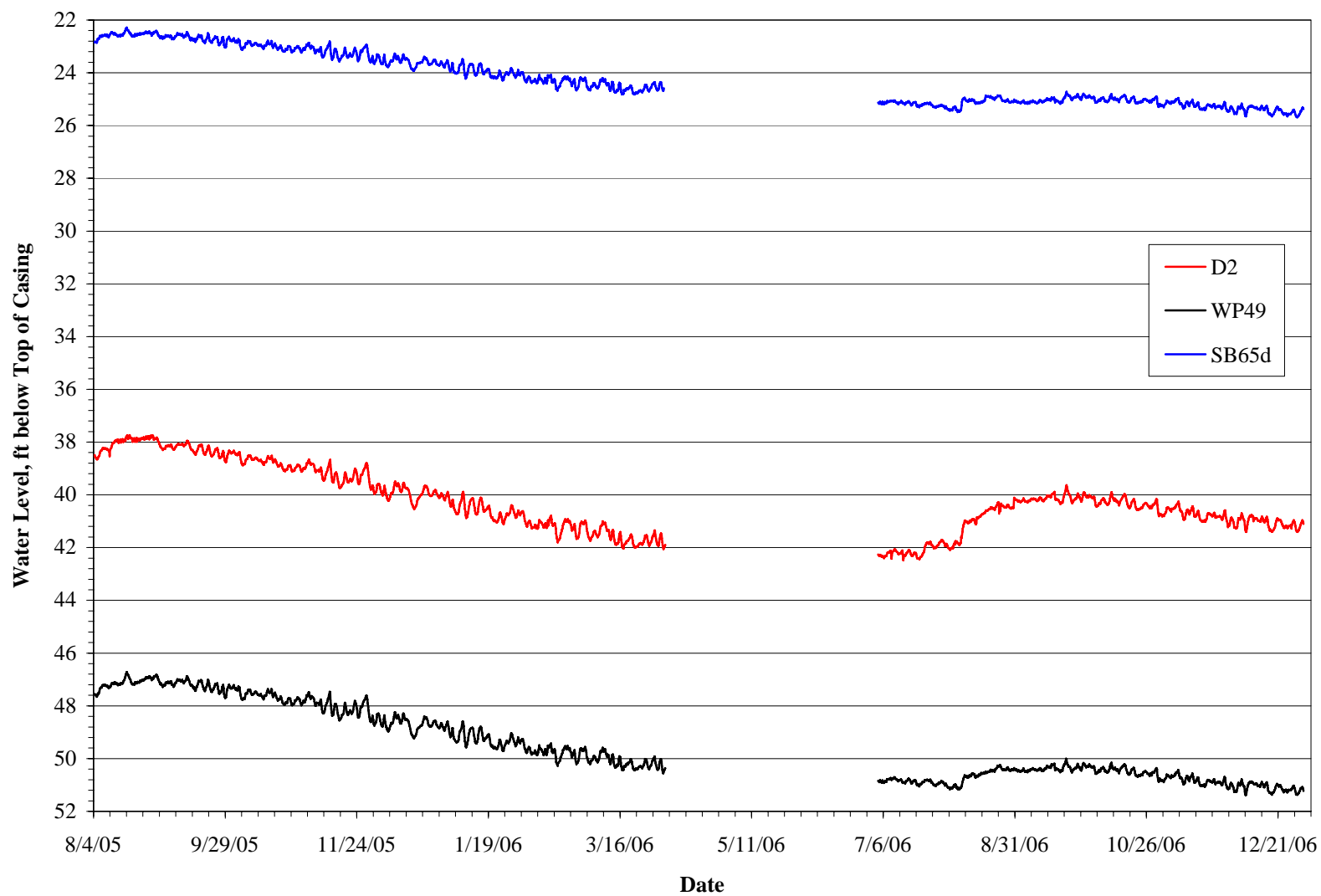


FIGURE 4.1 Hydrographs for upgradient wells, August 2005 to December 2006.

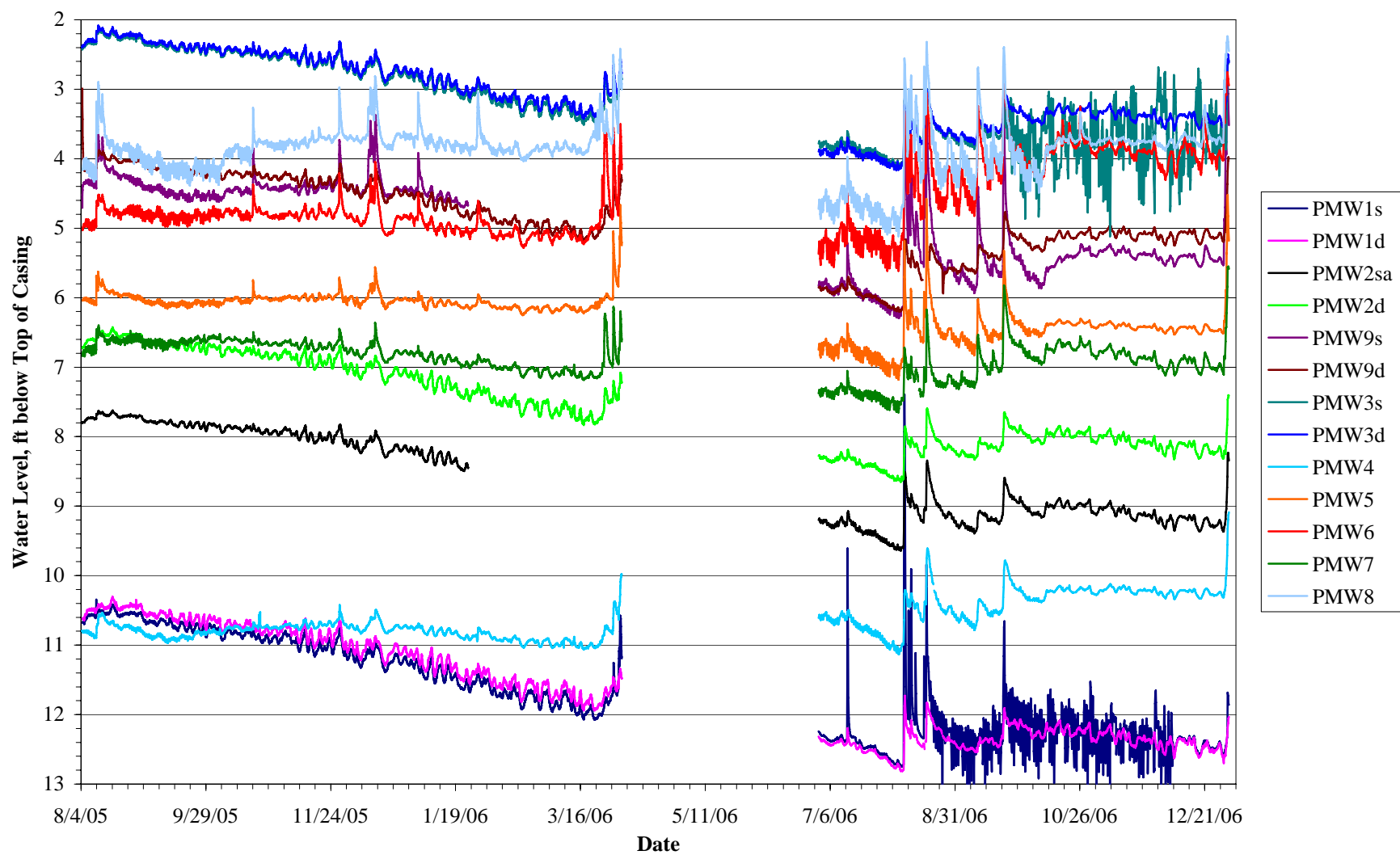


FIGURE 4.2 Hydrographs for phytoremediation area wells, August 2005 to December 2006.

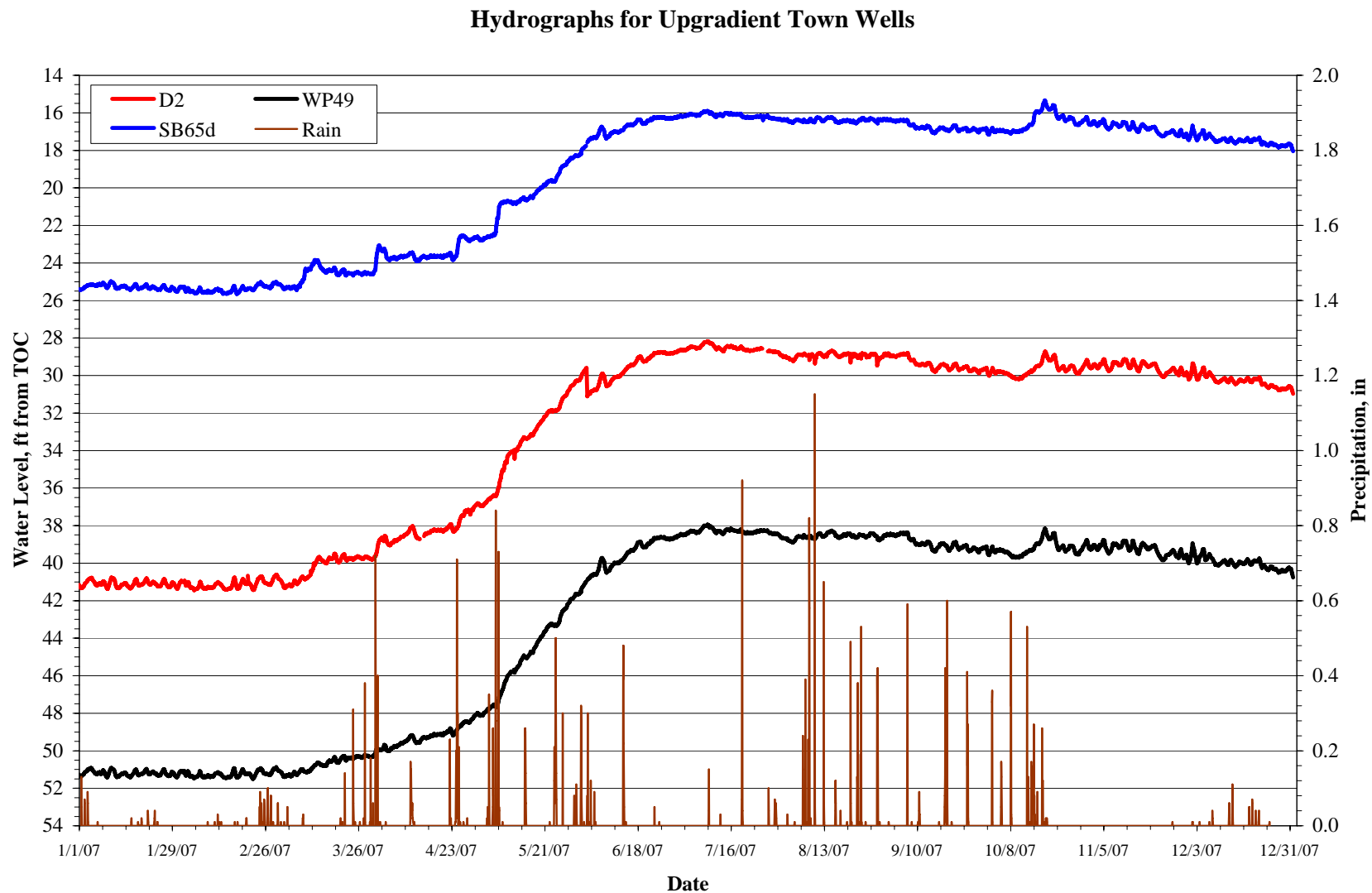


FIGURE 4.3 Hydrographs for upgradient wells, January to December 2007.

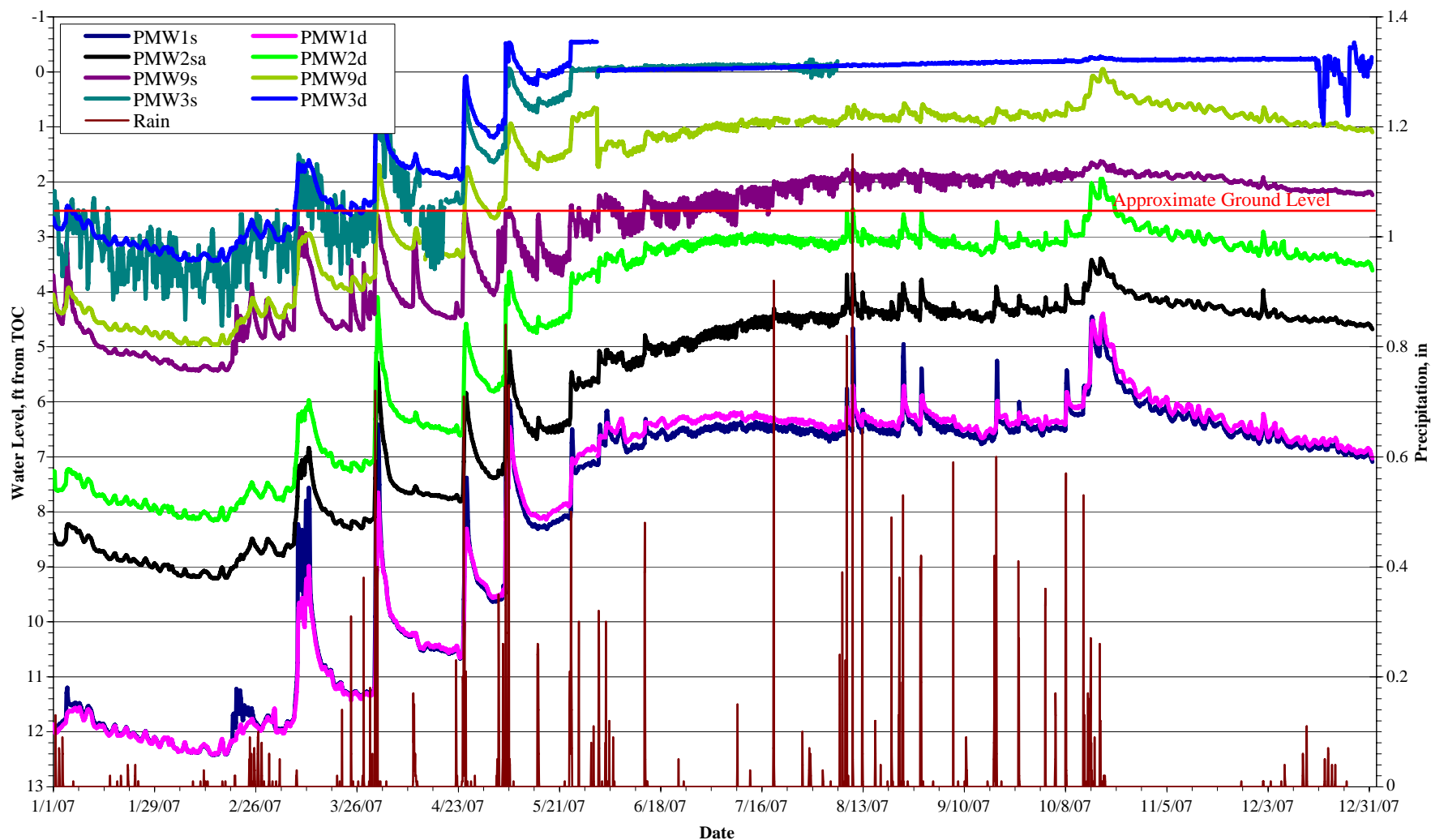


FIGURE 4.4 Hydrographs for phytoremediation area wells near the headwaters of the tributary creek, January to December 2007.

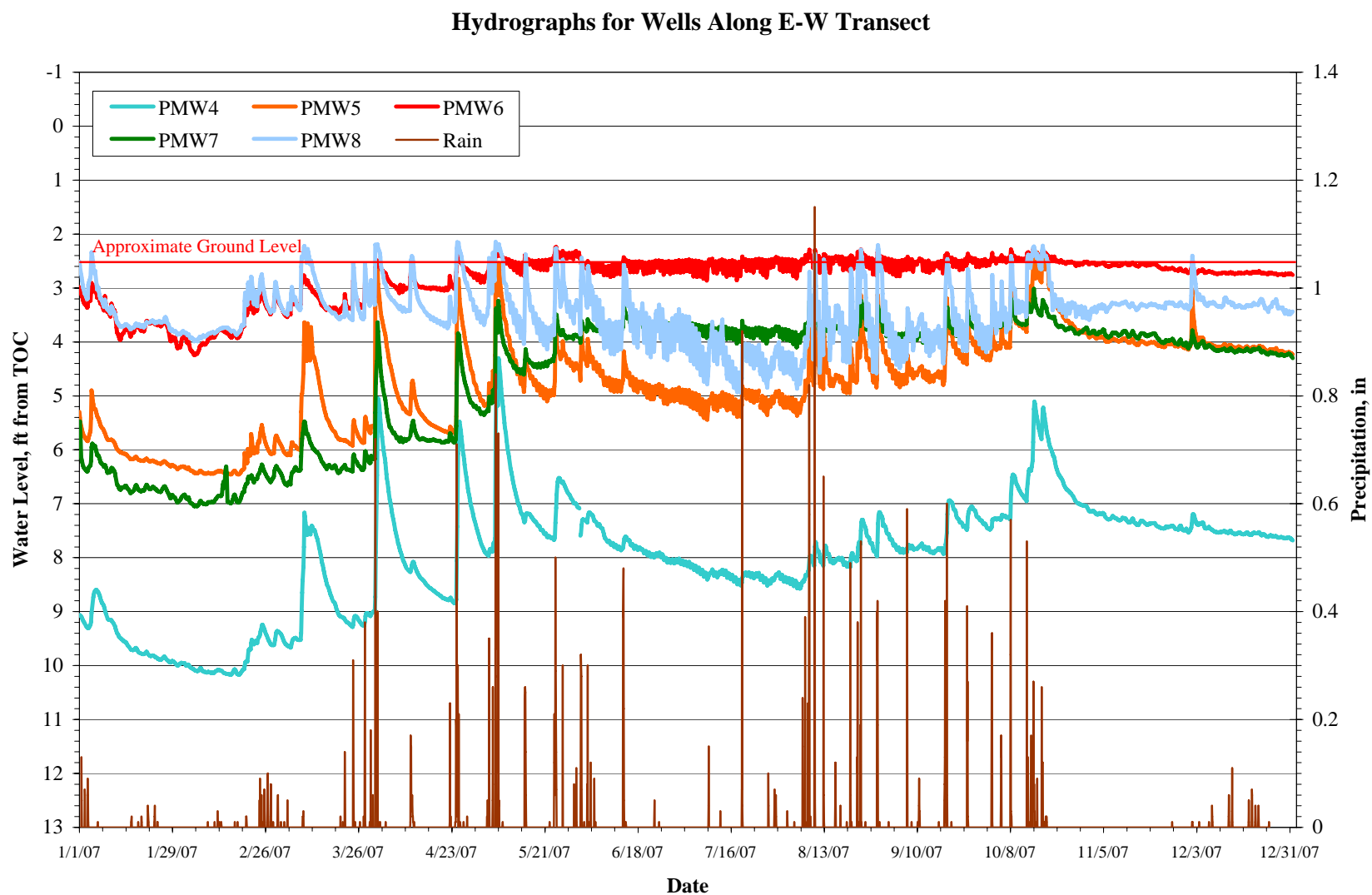


FIGURE 4.5 Hydrographs for wells in the downstream portion of the phytoremediation area, January to December 2007.

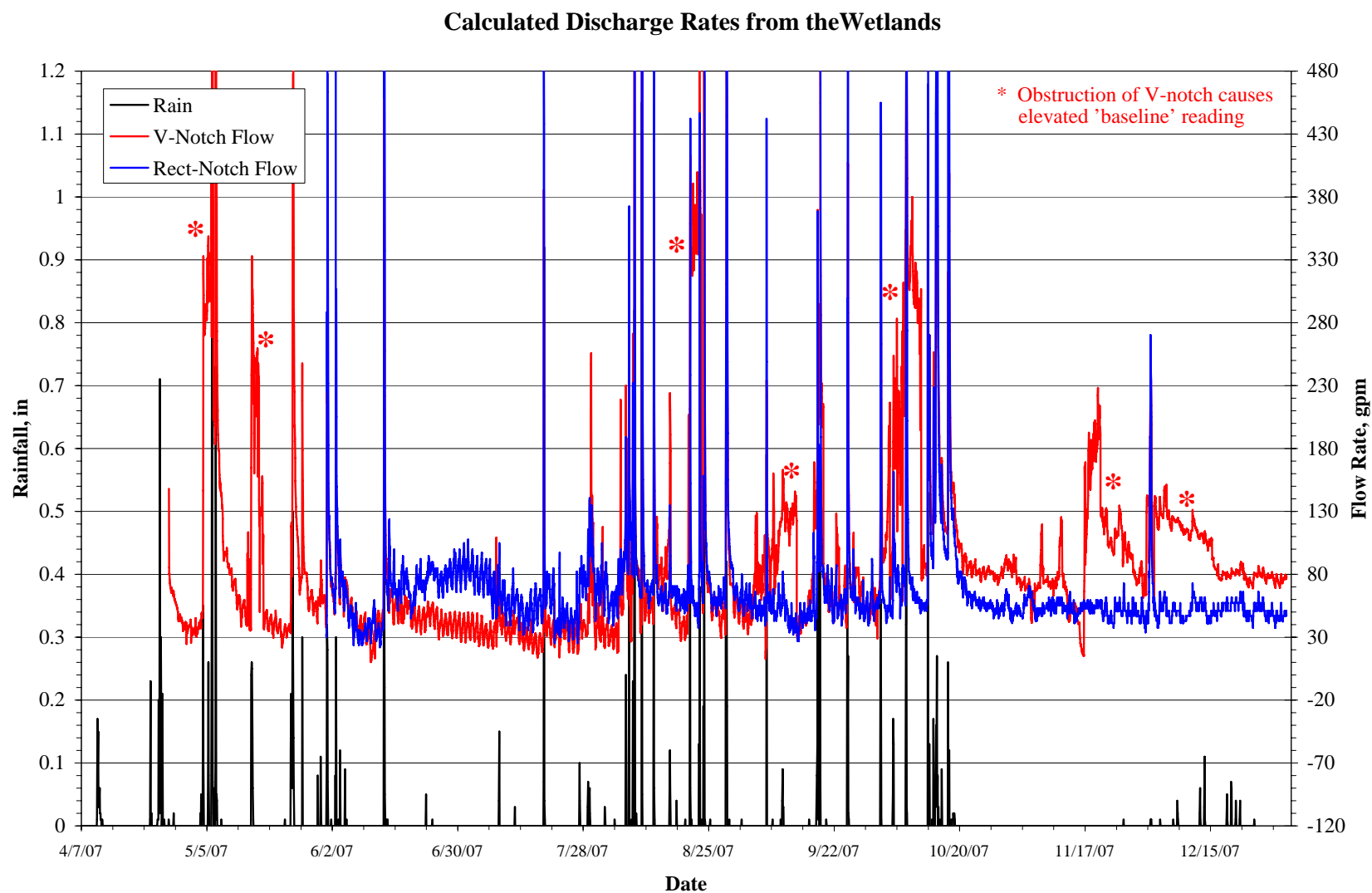


FIGURE 4.6 Estimated discharge rates from the Murdock wetlands, as calculated for the V-notch and R-notch weirs, May to December 2007.

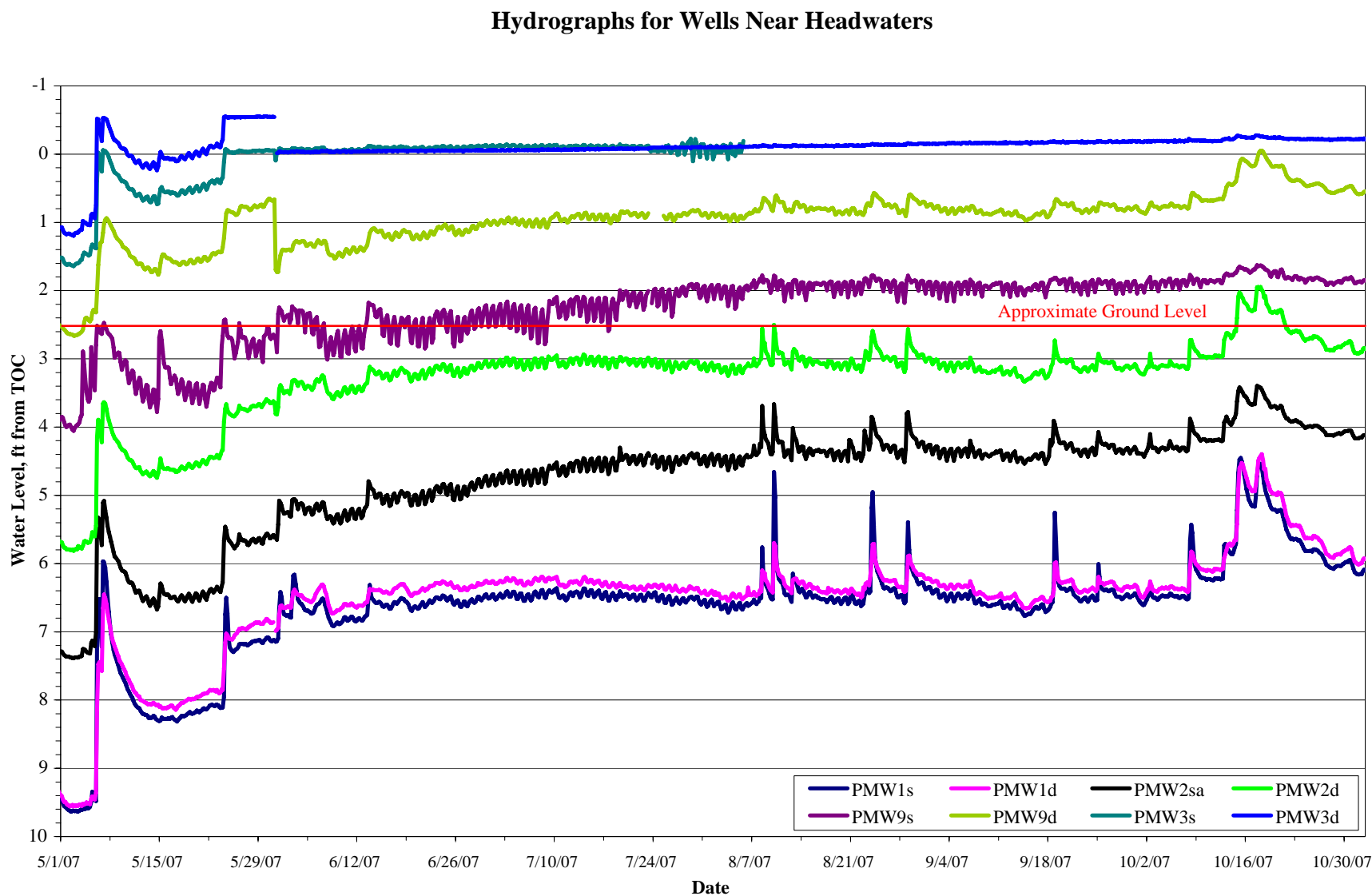


FIGURE 4.7 Hydrographs for phytoremediation area wells near the headwaters of the tributary creek, May to October 2007.

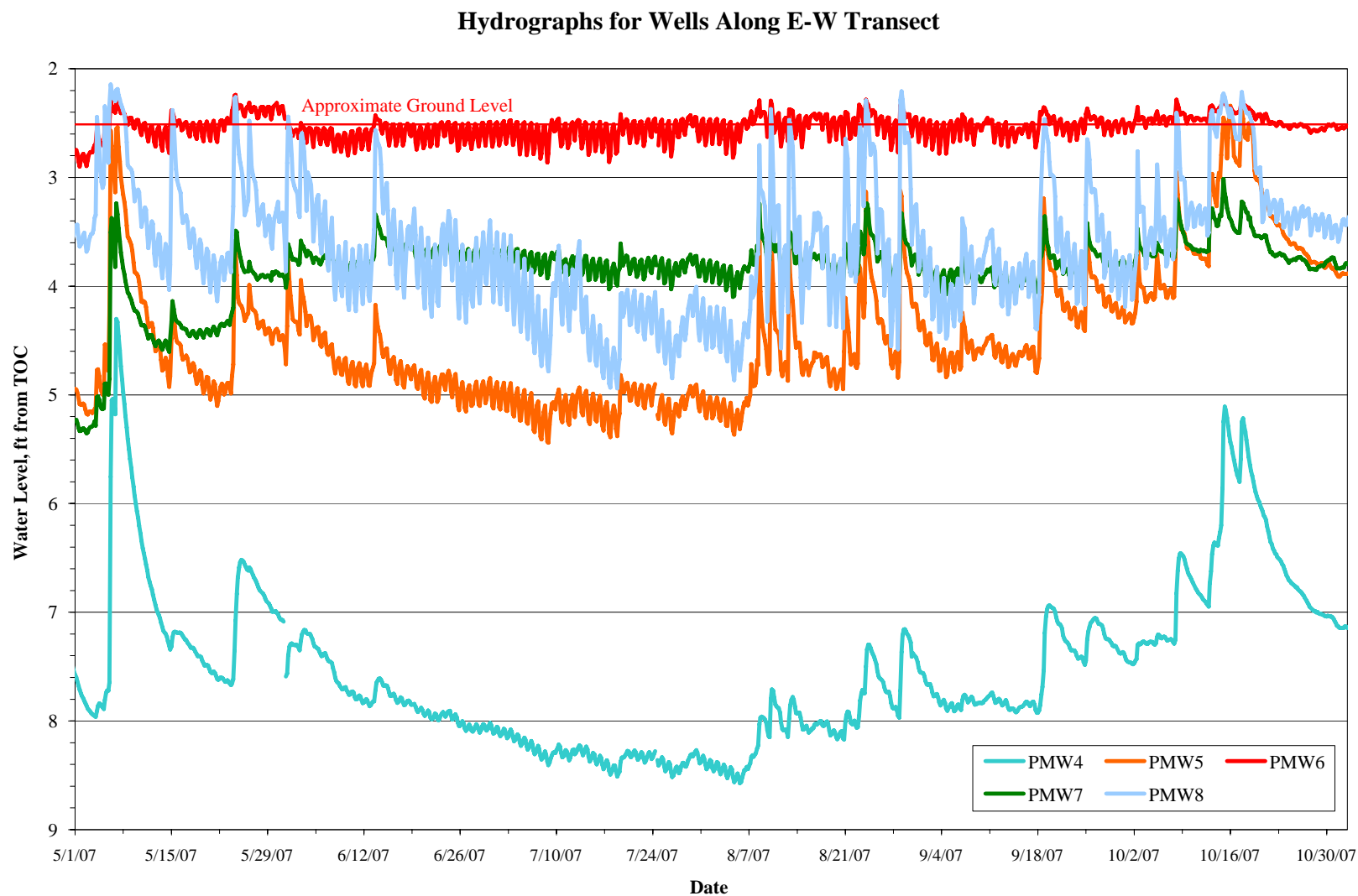


FIGURE 4.8 Hydrographs for wells in the downstream portion of the phytoremediation area, May to December 2007.

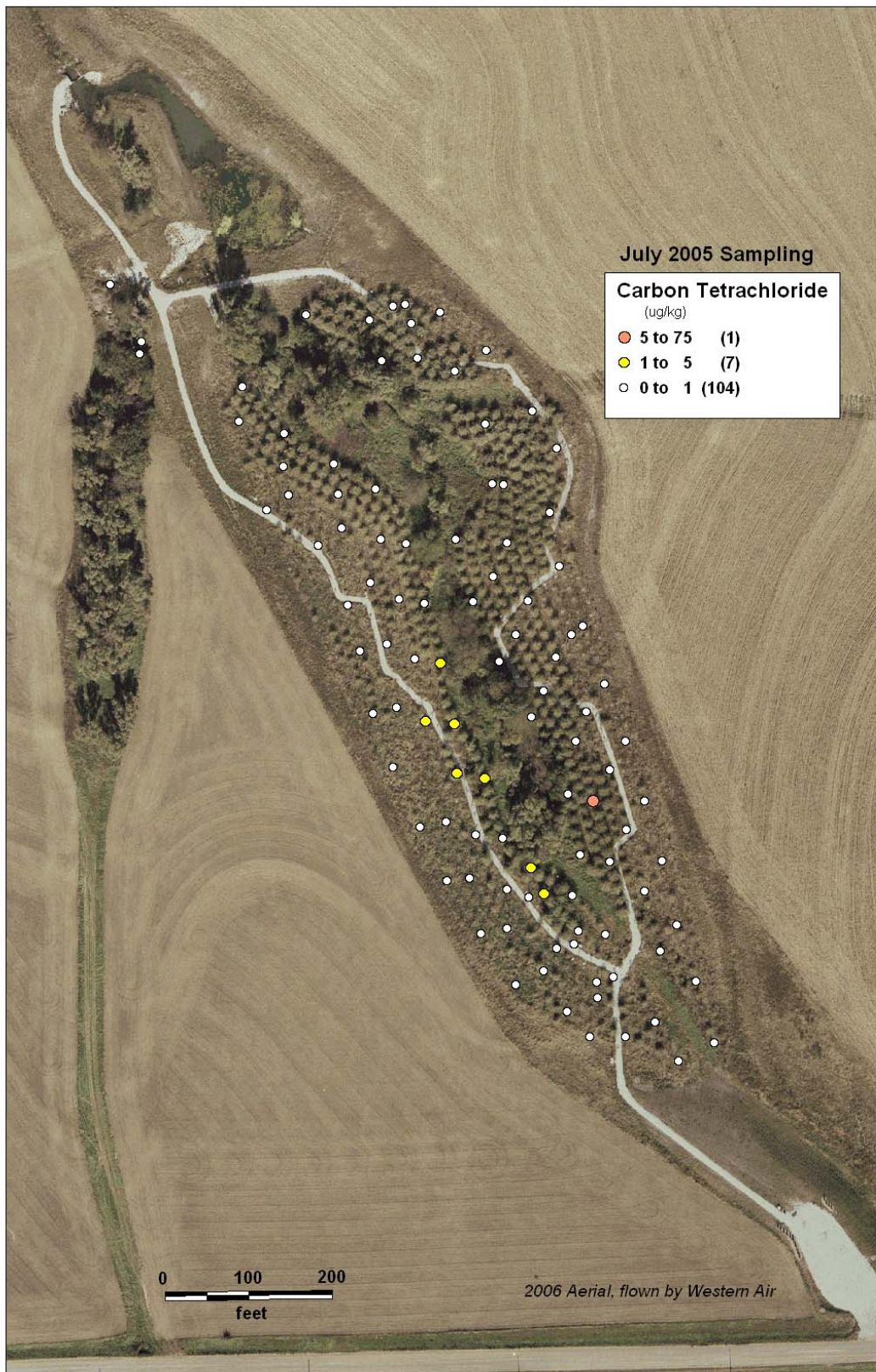


FIGURE 4.9 Carbon tetrachloride concentrations in branch tissues in baseline sampling, July 2005.

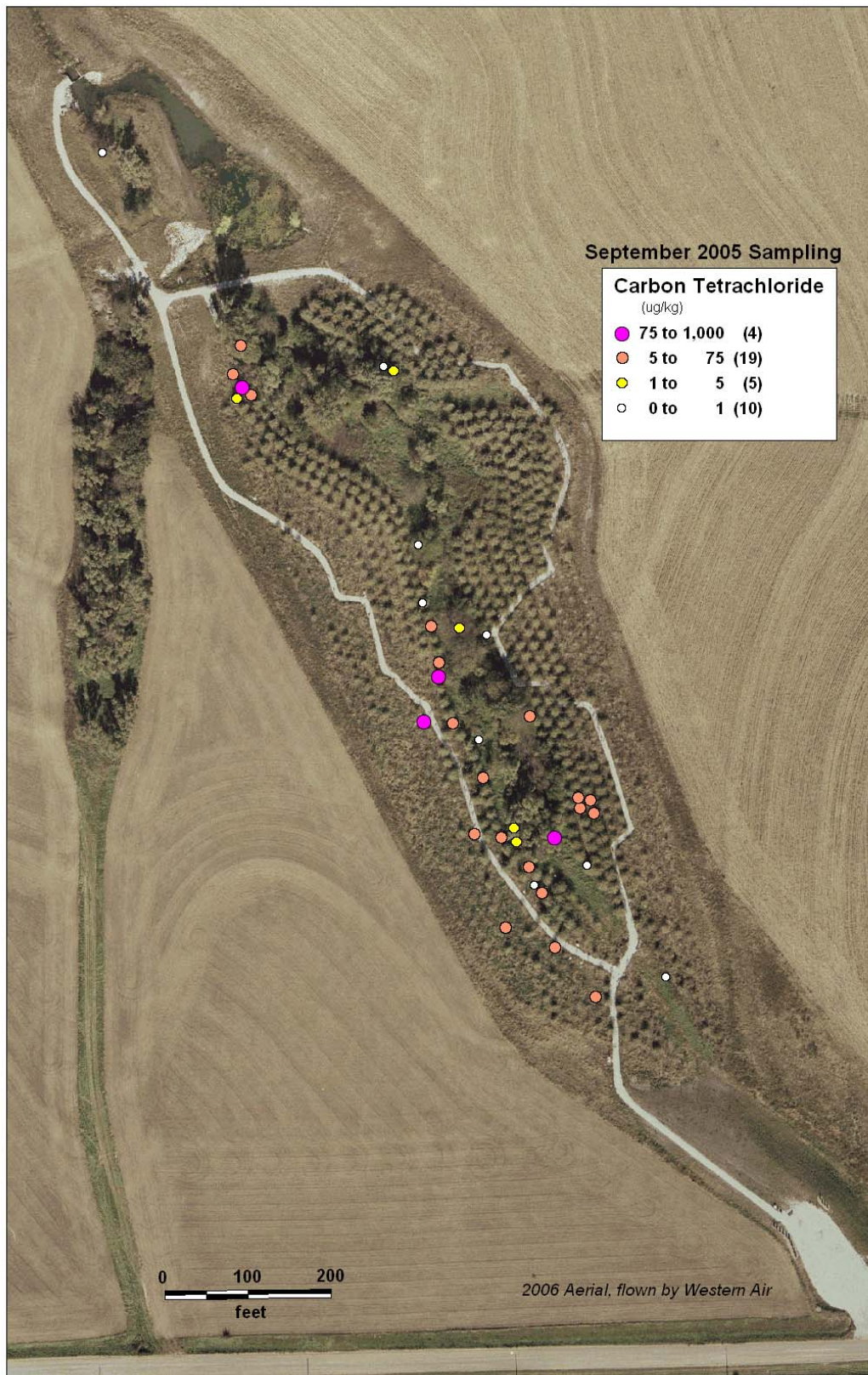


FIGURE 4.10 Carbon tetrachloride concentrations in branch tissues at the end of the first growing season, September 2005.



FIGURE 4.11 Carbon tetrachloride concentrations in branch tissues during the first winter sampling, January 2006.

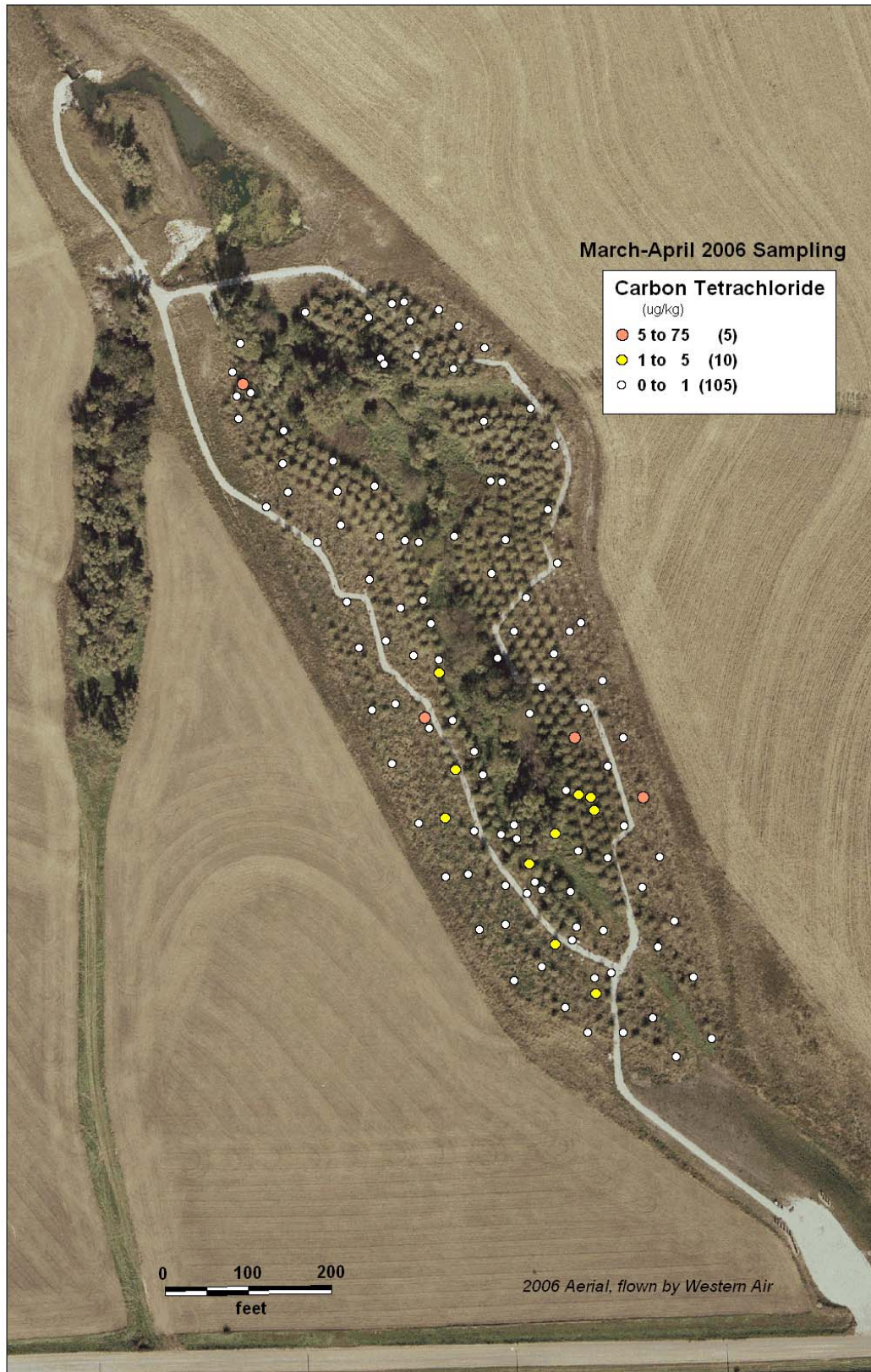


FIGURE 4.12 Carbon tetrachloride concentrations in branch tissues during the first spring sampling, March-April 2006.

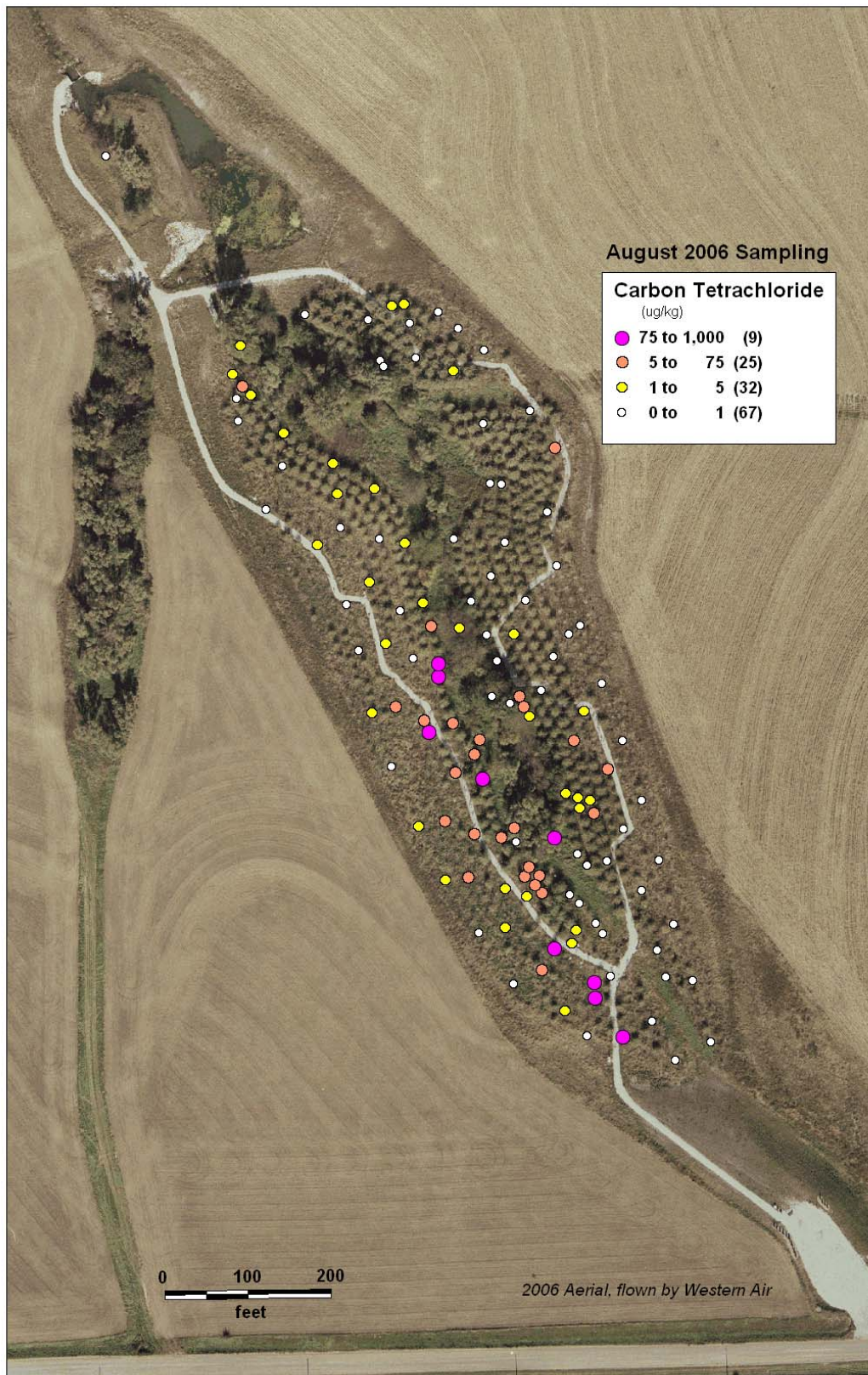


FIGURE 4.13 Carbon tetrachloride concentrations in branch tissues at the peak of the second growing season, August 2006.

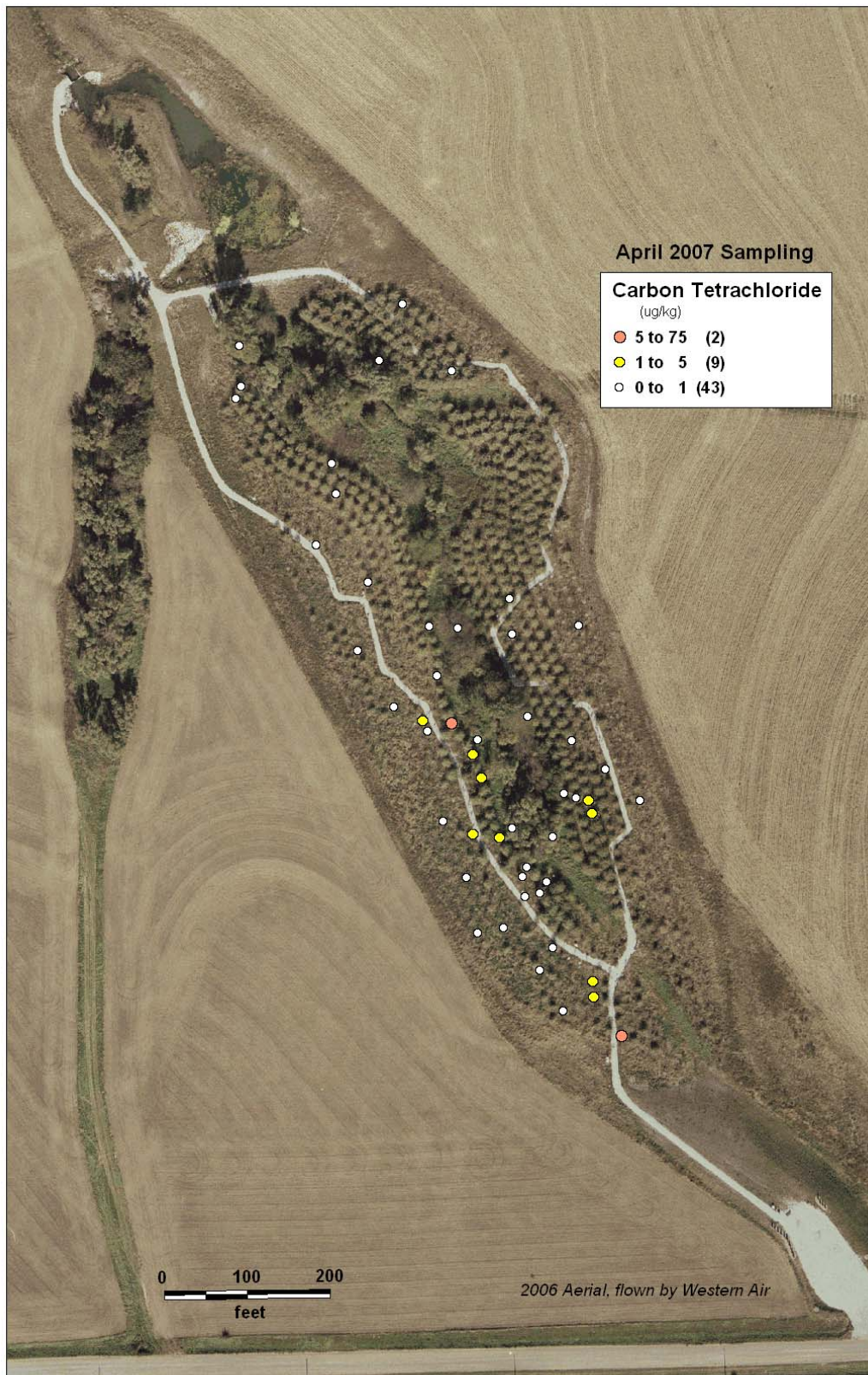


FIGURE 4.14 Carbon tetrachloride concentrations in branch tissues during the second spring sampling event, April 2007.

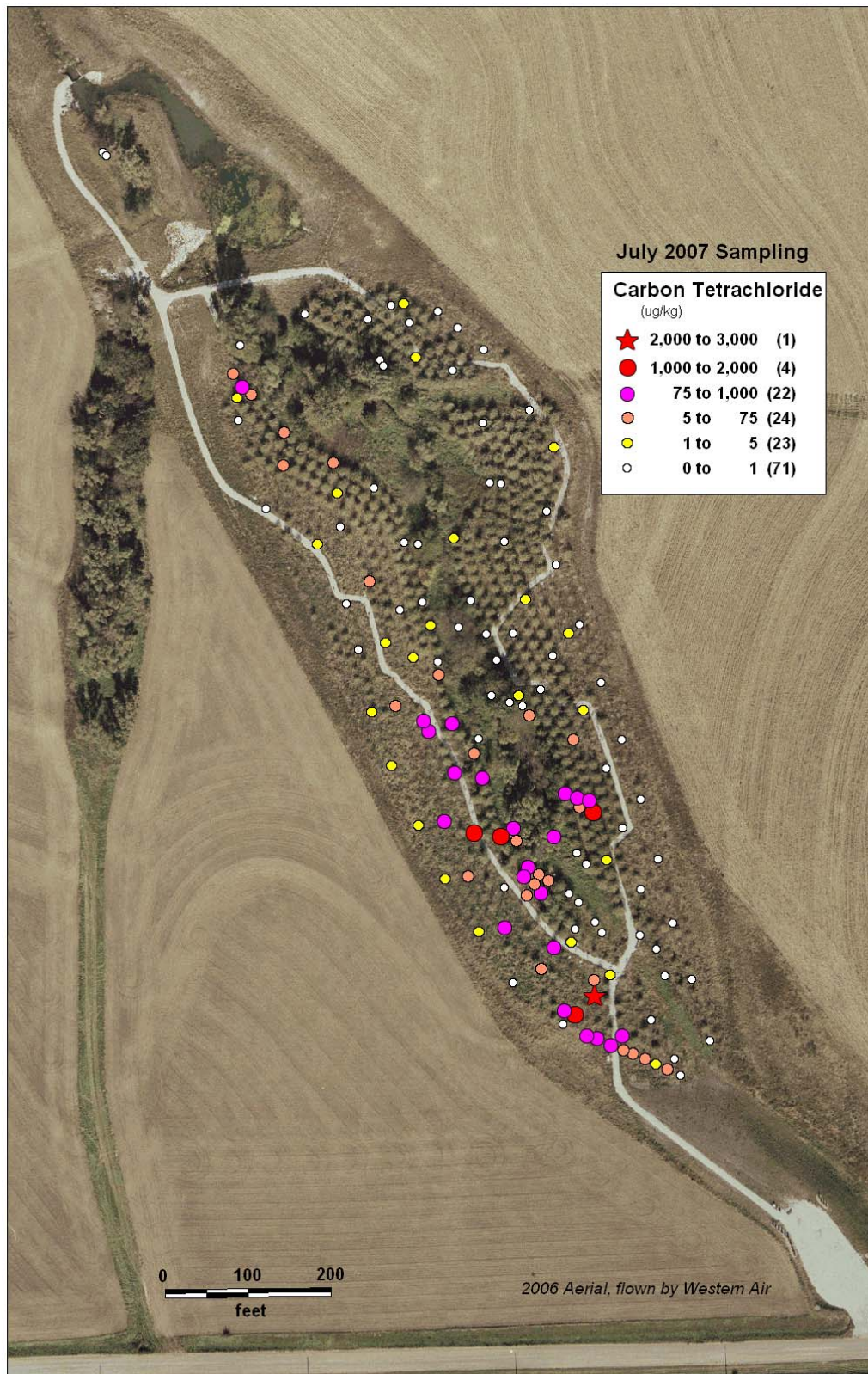


FIGURE 4.15 Carbon tetrachloride concentrations in branch tissues at the peak of the third growing season, July 2007.

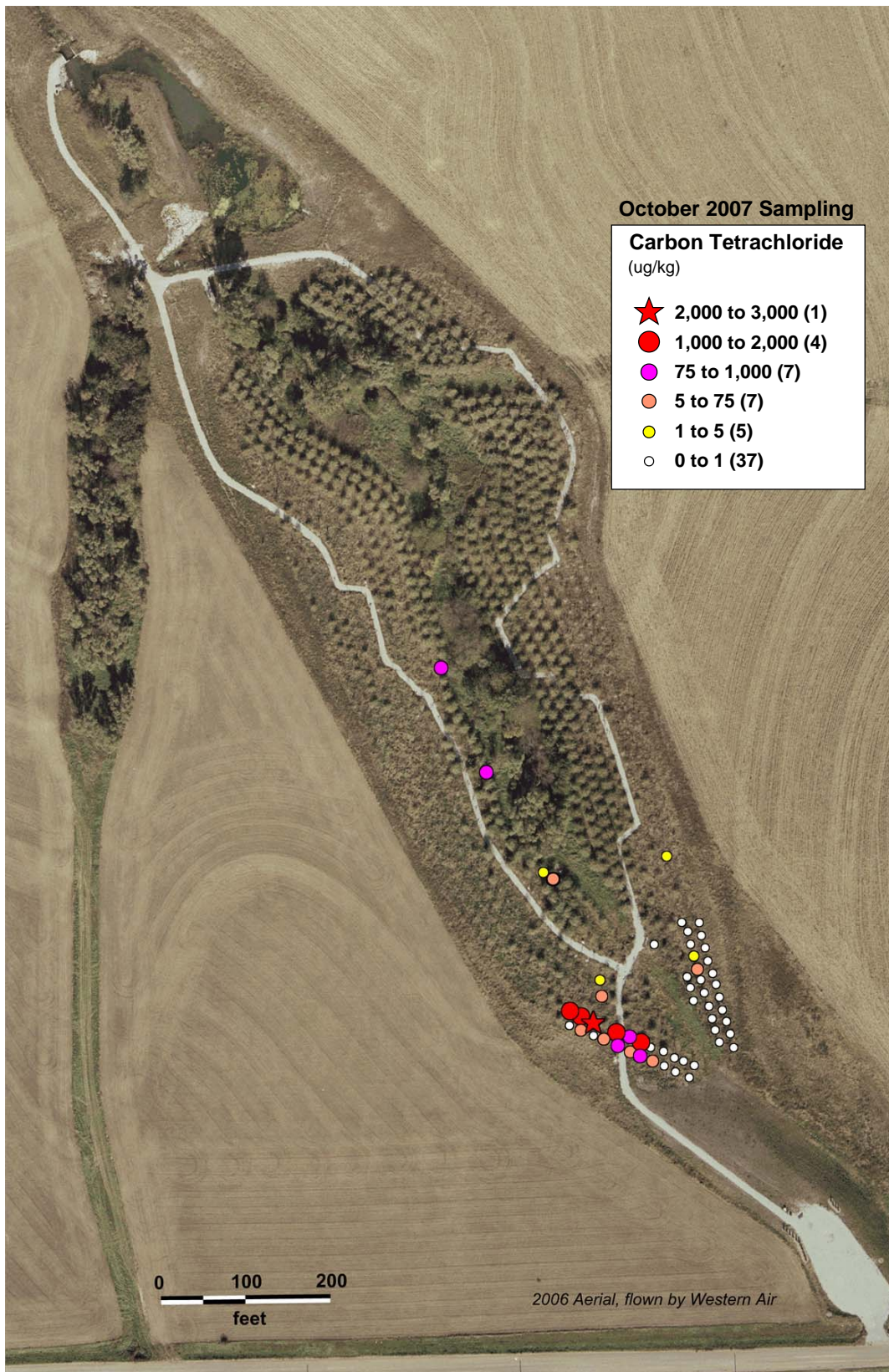


FIGURE 4.16 Carbon tetrachloride concentrations in branch tissues at the end of the third growing season, October 2007.

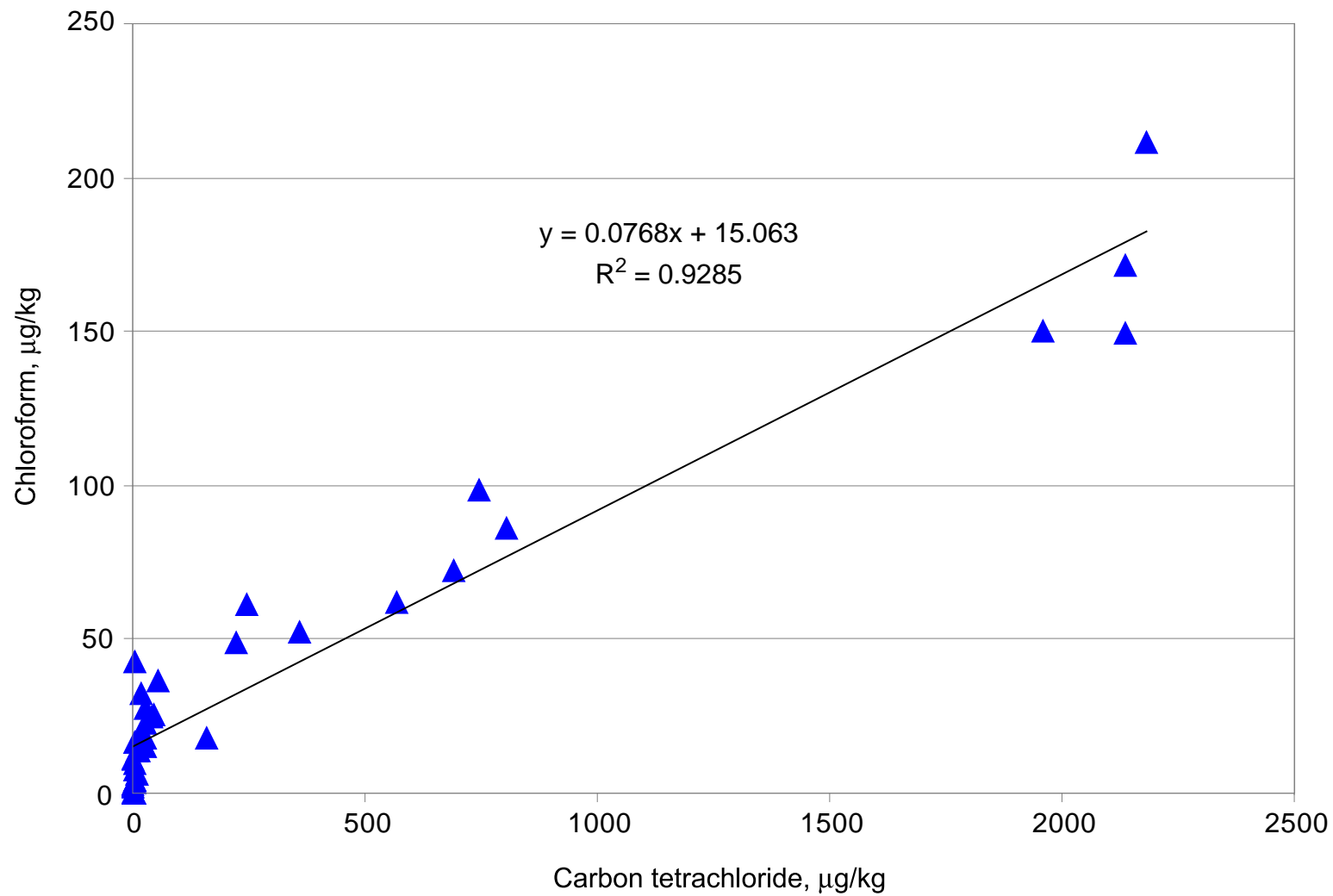


FIGURE 4.17 Correlation between carbon tetrachloride and chloroform concentrations in branch tissue samples collected at selected locations in four weekly sampling events in August 2007.

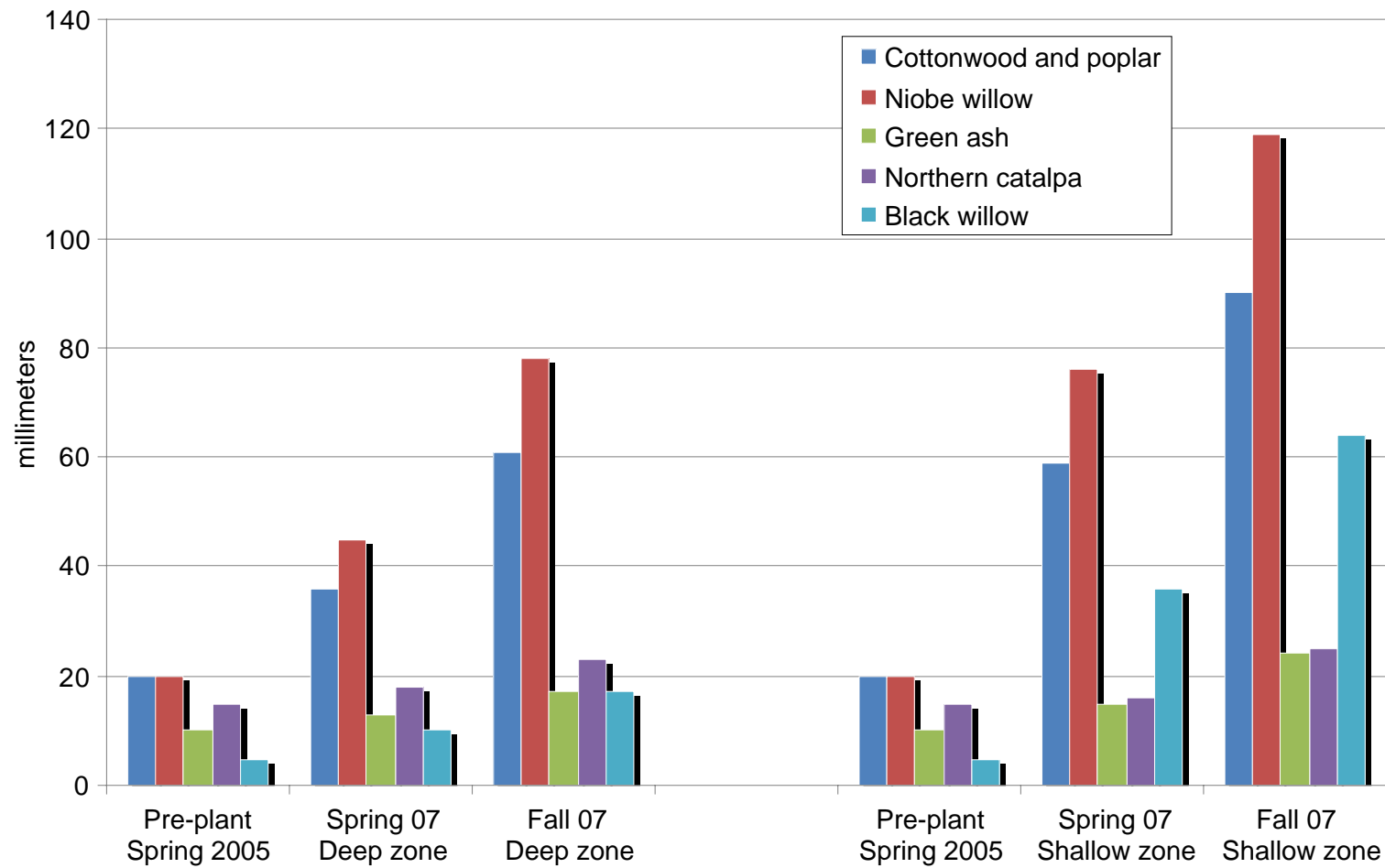


FIGURE 4.18 Tree diameter at breast height by species and planting depth.

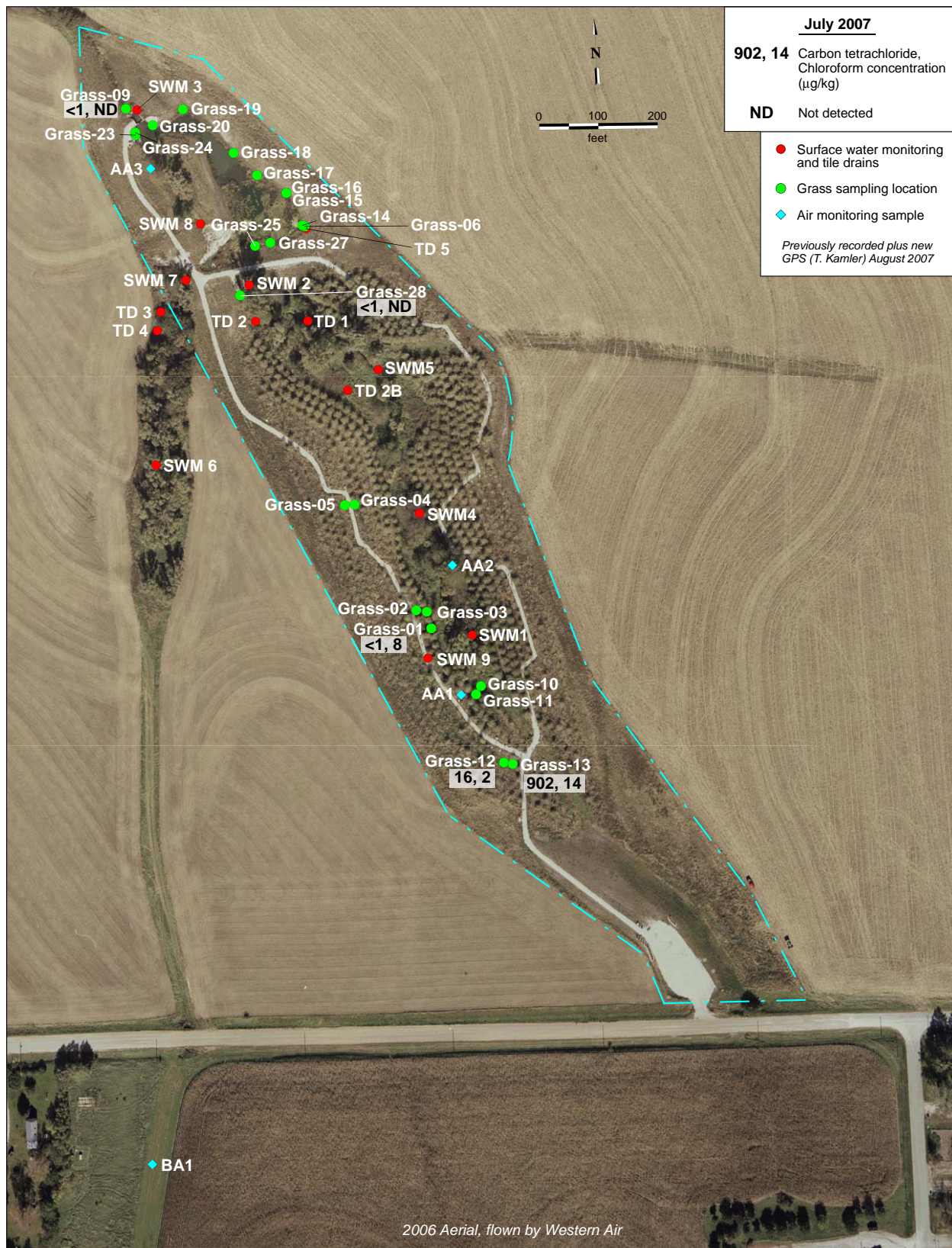


FIGURE 4.19 Carbon tetrachloride concentrations in grass tissues in July 2007, with locations of tile drains and designated locations for surface water and air sampling.

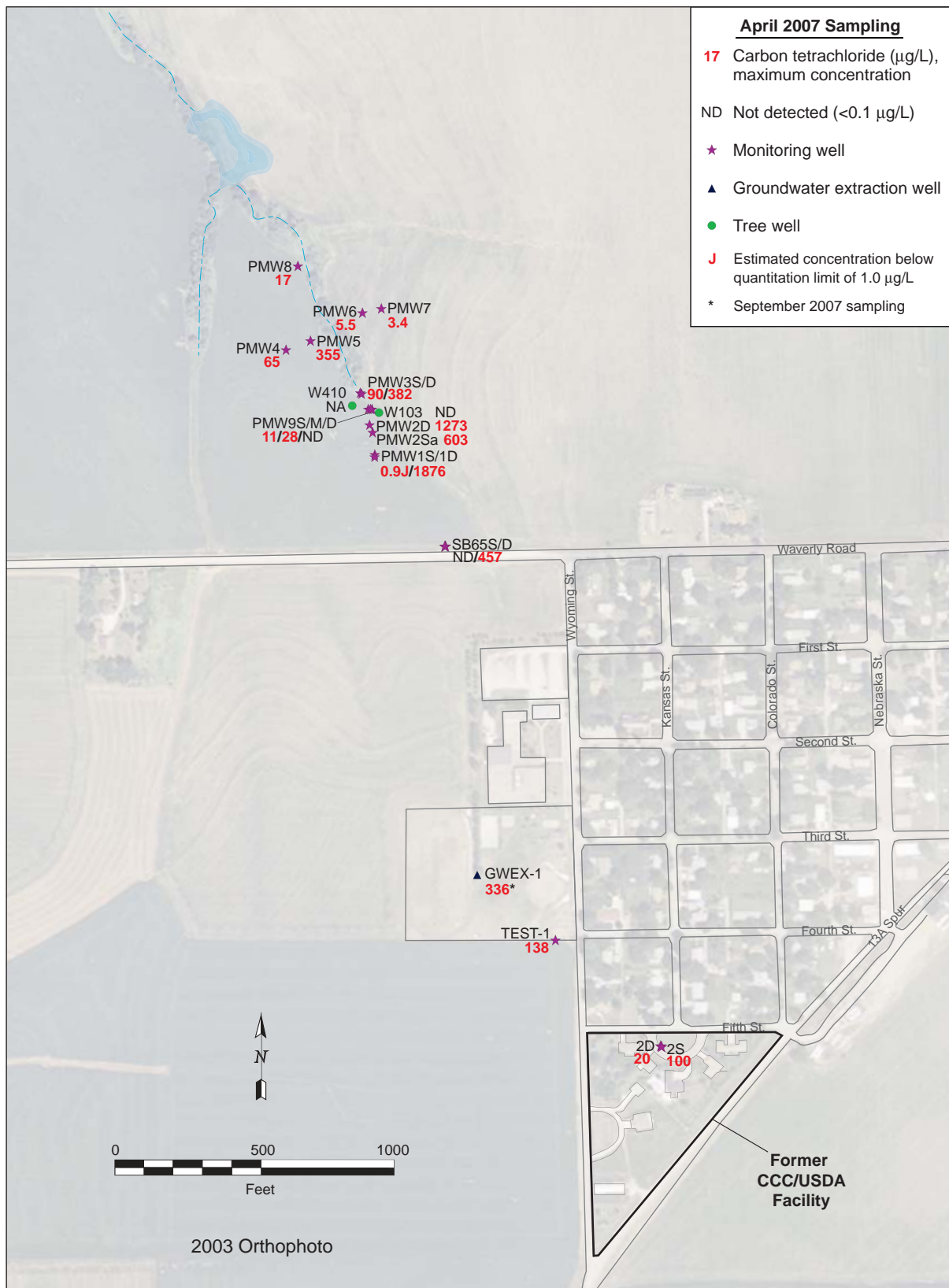


FIGURE 4.20 Maximum carbon tetrachloride concentrations in groundwater samples collected from permanent monitoring points in April 2007.

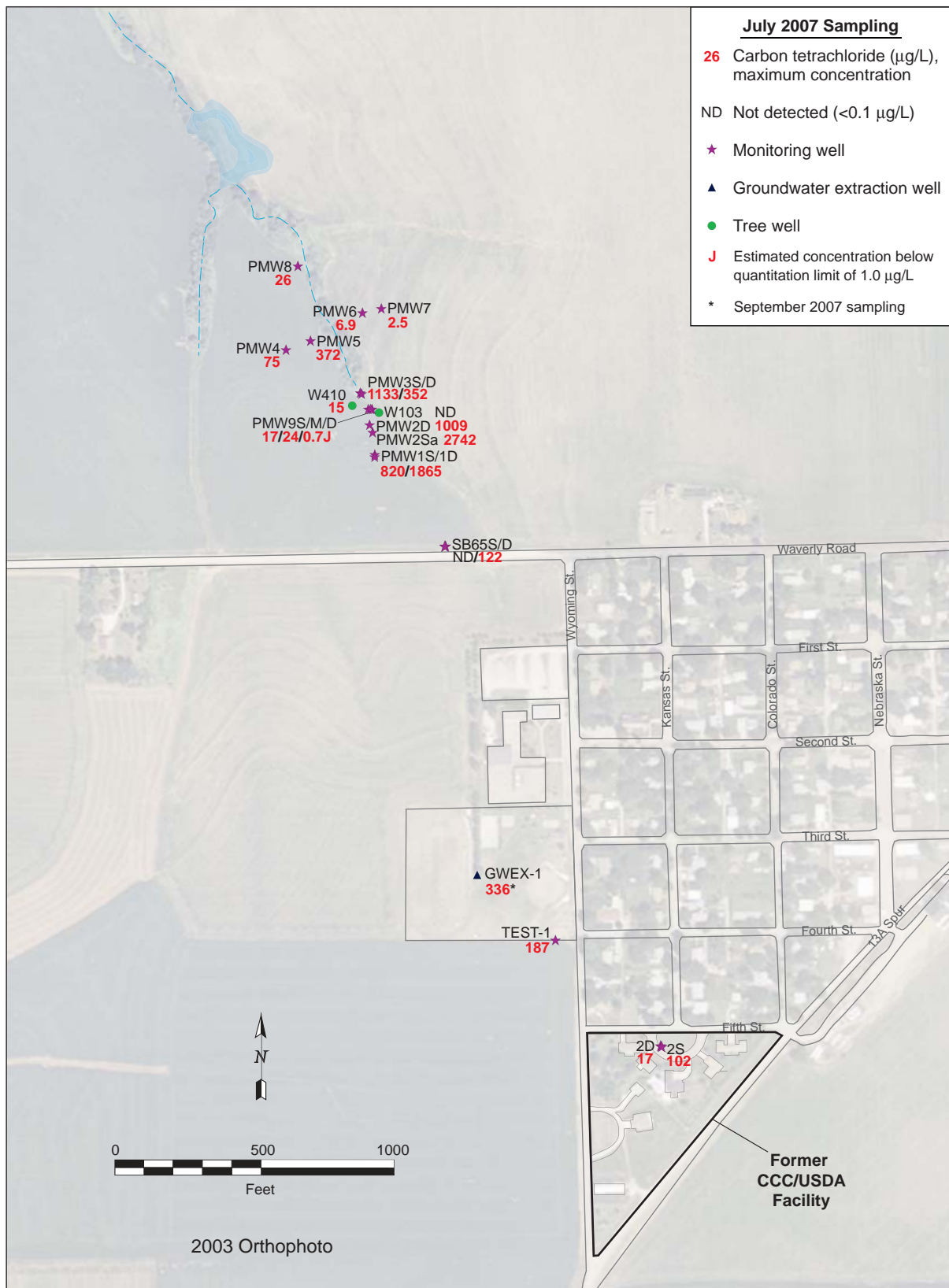


FIGURE 4.21 Maximum carbon tetrachloride concentrations in groundwater samples collected from permanent monitoring points in July 2007.

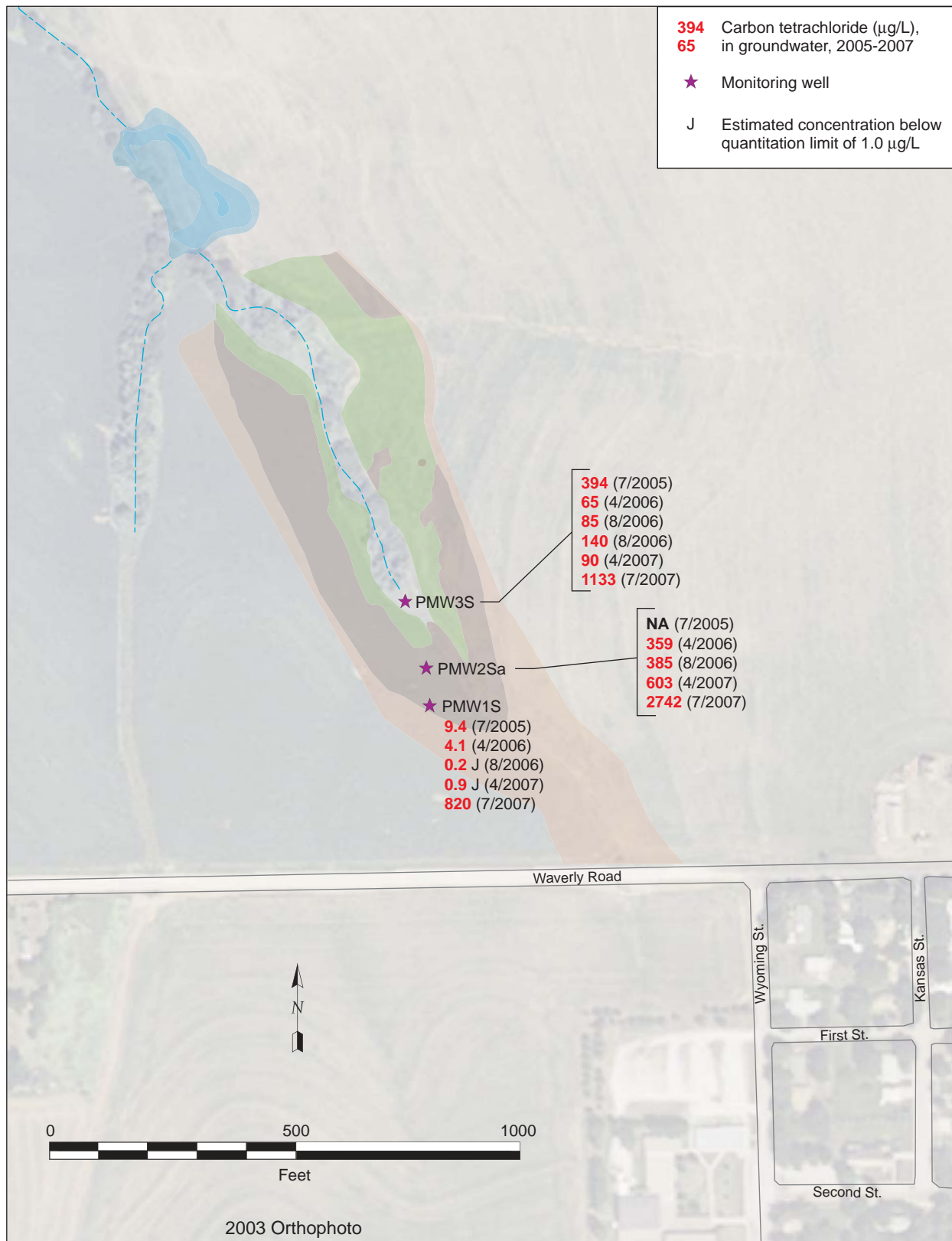


FIGURE 4.22 Carbon tetrachloride concentrations in groundwater samples collected from the shallow monitoring wells in the headwaters area, July 2005-July 2007.

5 Operation, Maintenance, and System Modifications

5.1 Well GWEX-1 and the Spray Irrigation Treatment Unit

No service or maintenance was required for the GWEX-1 extraction well or the spray irrigation treatment unit during the review period. A slight decrease in the flow rate achieved by GWEX-1 was observed at the end of the 2006 irrigation season; the rate decreased slightly more in 2007 (to approximately 29 gpm), but operating pressures remained adequate for the required groundwater treatment by the spray irrigation unit. Further monitoring to determine whether corrective action is necessary will be performed when the well is reactivated in 2008.

Minor repairs were performed to correct a leak identified at one of the four water discharge hydrants in the underground distribution system installed to convey untreated groundwater from GWEX-1 to the spray irrigation treatment unit on the Elmwood-Murdock Public School property. The repairs were completed prior to start-up of the well and spray treatment unit in July 2007.

5.2 Phytoremediation Planting and Buffer Areas

The unusually high rainfalls that occurred at Murdock resulted in shallow flooding of the land surface in portions of the phytoremediation area throughout much of 2007. Local pooling of surface water, groundwater seepage, and increased surface runoff were particularly noted in the western and central portions of the shallow planting area near the headwaters of the tributary creek, as well as along both sides of the tributary creek in the more downstream portion of the shallow planting area (Figure 2.1).

The following specific activities were implemented to maintain the health of the plantings and the integrity of the visitor amenities within the phytoremediation area:

- The phytoremediation planting area was inspected frequently throughout the growing season for possible indicators of plant stress or other detrimental conditions associated with the wet surface environment.

- Mowing, trimming, and weeding were conducted in June and July 2007 to control vigorous growth of the ground cover species in the phytoremediation area and to facilitate access to the trees for vegetation sampling and monitoring.
- Temporary support was provided (Figure 3.2) for a number of trees that began to lean unacceptably during the late spring and summer because of soft soil conditions that developed in several areas of persistent standing surface water.
- To minimize surface water drainage across the gravel walking path, additional drainage conduits were installed beneath the path. In addition, the path was regraded to raise its level at several locations in the southern portion of the phytoremediation area.

Localized erosion was observed near the headwaters of the tributary creek, at the southernmost end of the phytoremediation area, as a result of the heavy spring rains. Representatives from Olsson Associates, the engineering firm that assisted in the original design and construction of erosion control measures for the phytoremediation and wetlands areas, installed multiple reference markers in and near the headwaters area to permit quantitative observation of potentially continuing detrimental effects. Little additional downcutting was observed during the remainder of the review period, however, and no further actions were taken.

Inspection of the phytoremediation plantings in the late fall revealed that some trees had been affected by fungi because of the prolonged wet conditions at the site and the dense canopy growth that now restricts local air flow and promotes the stagnation of moist air. Though the possible need for future treatment of the trees is recognized, no other action was required during the current review period. Argonne representatives will meet with the Nebraska state forester (Richard Lodes) early in 2008, for further consideration of the situation and development of both (1) a long-term tree management plan and (2) immediate actions needed to facilitate the healthy development of the tree stand during the 2008 growing season.

5.3 Constructed Wetlands Area

After the heavy spring rainfalls, localized erosion (channeling) was observed at several points near the southwestern margin of the wetlands, resulting from increased runoff from the agricultural fields directly west of the wetlands before planting of these fields. Representatives from Olsson Associates installed reference markers in and near the affected area to permit quantitative evaluation of potentially continuing erosion; however, little additional change was observed upon the onset of the growing season, and no further actions were taken.

With the approval of the CCC/USDA, a dual-weir system was implemented at the wetlands outlet water level control structure to facilitate quantitative monitoring of the rates and volumes of discharge from the wetlands. The weir equipment (described in detail in Section 3.3) was installed in April-May 2007.

5.4 Monitoring Well Network

No repairs or modifications of the monitoring well network were required during the review period. Routine data recovery and battery replacement for the water level recorders installed at the site were performed approximately quarterly. The water level recorder at PMW3S was removed from the well in July 2007 to prevent possible damage to the instrument resulting from persistent artesian conditions. Monitoring of PMW3S will resume during the 2008 review period, if groundwater at this well recedes to acceptable levels.

5.5 Operating and Maintenance Costs for the Current Review Period

The operating and maintenance (O&M) costs for the 12-month period from January to December 2007 are summarized in Table 5.1. The costs for this period of operation include one-time expenses associated with the following:

- Erosion control planning (with landscape architects and engineers) and initial implementation.
- Design, fabrication, and installation of the weir at the concrete outlet to the wetland ponds.

- Installation of cover crop and landscaping in the parking lot area.
- Design, fabrication, and installation of visitor signs for individual tree species.
- Installation of water level measurement devices in borehole liners to expand the monitoring network.
- Performance of a separate investigation authorized by the CCC/USDA concerning the potential for mitigation of nitrate contamination by the constructed wetlands at Murdock.

Costs for remediation monitoring and reporting — a component of "Routine O&M" in Table 5.1 — included the production of four quarterly monitoring reports and the first annual performance report. The annual performance report, issued in May 2007, actually covered the first 19 months of operation. The costs for this reporting task were higher than should be anticipated for future annual reports. Considerable “start-up” cost was incurred to define the document’s format and to develop content that will be produced more routinely in subsequent years.

Approximately \$123,000 of the total \$516,000 operating expense at Murdock was attributable to subcontracting costs. The subcontractors provided the following services:

- Engineering support
- Outside laboratory support
- Field support, including
 - Compliance sampling
 - Vegetation sampling
 - Sampling for the nitrate study

- Erosion control measures
- Installation of signage
- General maintenance of the public access area

TABLE 5.1 Operations and maintenance costs for the Murdock site restoration project, January through December 2007.

Item	Cost ^a (\$)
Routine O&M	
General management and technical oversight	33,936
Logistics and field support	37,122
Remediation monitoring and reporting	291,977
Total routine O&M	363,034
One-time expenses	
Erosion control	20,970
Weir implementation	13,282
Landscaping and cover crop	7,617
Visitor signs for individual tree species	1,000
CCC/USDA wetlands study at Murdock	74,602
Observation point installation (monitoring network expansion)	35,635
Total one-time expenses	153,106
Grand total	516,140

^a Numbers rounded; totals may not be equal to the sum of individual items.

6 Summary

6.1 Performance of the Removal Action Systems

The results of the baseline sampling performed at Murdock in July 2005 indicated that the intended outcome of the integrated remedial approach designed for this site is achievable. Subsequent monitoring conducted during the second full year of operation (January to December 2007) of the remediation systems demonstrated the following:

- Seasonal operation of well GWEX-1 is capturing elevated concentrations of carbon tetrachloride in the upgradient portion of the groundwater plume and reducing the contaminant load approaching the tributary creek headwaters. The associated spray irrigation treatment unit is decreasing contaminant concentrations in the spray discharge to acceptable levels and is improving the quality of the Elmwood-Murdock Public School athletic fields. Well GWEX-1 and the spray irrigation treatment unit received relatively limited use during the current review period, however, because of unexpectedly wet conditions at the site throughout much of the year.
- Highly contaminated water in the more downgradient portion of the groundwater plume continues to approach the phytoremediation and wetlands treatment areas.
- Uptake of carbon tetrachloride and chloroform by the planted tree stand has been confirmed through the seasonal detection of the contaminants in branch tissues, at increasing concentrations and over an expanding areal extent, both in the shallow planting area and (increasingly) in the deep planting area.
- Uptake of carbon tetrachloride and chloroform by a deep-rooted, native-type grass in the area of greatest uptake by trees indicates that the ground cover may be aiding in the phytoremediation.
- Evidence of groundwater and contaminant uptake observed for the trees planted deepest indicates that these trees might have reached, or might be

close to reaching, the target rooting depth. Higher-than-normal groundwater elevations recorded this year might have contributed, however, to enhanced contact between the tree roots and groundwater.

- Significant tree growth during the 2007 growing season indicates the potential for substantial water use by the trees. This potential is reflected in decreased discharges from the phytoremediation-wetlands system.
- Carbon tetrachloride levels in surface waters show a rapid drop along the flow pathway established through the phytoremediation and wetlands treatment areas; no unacceptable levels of this contaminant have been detected in the final surface discharge from the wetlands.
- Carbon tetrachloride was not detected in ambient air in the phytoremediation and wetlands treatment zones at the “breathing” level among the planted and preexisting native trees.
- The total costs for operation and maintenance of the removal action systems at Murdock during the review period were \$516,140. This amount includes several unexpected one-time costs.

6.2 Regulatory Compliance of the Removal Action Systems

Under the EPA-approved *Monitoring Plan* (Argonne 2006), site-specific monitoring requirements and compliance criteria governing the removal action at Murdock have been established by the EPA and the NDEQ. These requirements are as follows:

- For GWEX-1 and the spray irrigation treatment system:
 - Sample the discharge quarterly during periods of seasonal operation.
 - Demonstrate an acceptable carbon tetrachloride level (44.2 µg/L) in the discharge.

- Demonstrate an acceptable pH range (6.0-9.0) in the discharge.
- Report the actual volume of groundwater treated and discharged.
- Report results quarterly.
- For surface water discharged from the combined phytoremediation and wetlands treatment zones:
 - Sample surface flow quarterly at locations SWM1-SWM3.
 - Demonstrate an acceptable carbon tetrachloride level ($44.2 \mu\text{g/L}$) at location SWM3.
 - Report results quarterly.
- For ambient air in the phytoremediation and wetlands treatment zones:
 - Sample twice yearly at locations AA1-AA3.
 - Demonstrate an acceptable carbon tetrachloride level ($192 \mu\text{g/m}^3$) in the ambient air.
 - Report results annually.

The results of all compliance monitoring performed during the current review period are summarized as follows:

- Carbon tetrachloride concentrations in samples of treated spray discharge ranged from $2.1 \mu\text{g/L}$ to $6.5 \mu\text{g/L}$ (average $3.6 \mu\text{g/L}$) during the 2007 irrigation season, below the acceptable limit of $44.2 \mu\text{g/L}$ established by the EPA and the NDEQ.

- The pH levels detected in samples of treated spray discharge ranged from 7.24 to 7.33, in compliance with the required range (pH = 6.0-9.0) specified by the NDEQ.
- Trace to low levels of carbon tetrachloride contamination ($< 1 \mu\text{g/L}$ to $4.4 \mu\text{g/L}$) were detected in the surface water samples collected at the surface water compliance point, location SWM3. The acceptable limit is $44.2 \mu\text{g/L}$.
- No carbon tetrachloride was identified (at a reporting limit of $1.3 \mu\text{g/m}^3$) in the ambient air at Murdock. The target maximum concentration is $192 \mu\text{g/m}^3$.

All monitoring and reporting requirements and compliance criteria were satisfied during the review period.

7 References

Argonne, 2006, *Final Monitoring Plan for Site Restoration at Murdock, Nebraska*, ANL/EVS/AGEM/TR-05-04, prepared for the Commodity Credit Corporation, U.S. Department of Agriculture, Washington, D.C., by Argonne National Laboratory, Argonne, Illinois, February.

Argonne, 2007, *Summary of Operations and Performance of the Murdock Site Restoration Project in June 2005-December 2006*, ANL/EVS/AGEM/TR-07-05, prepared for the Commodity Credit Corporation, U.S. Department of Agriculture, Washington, D.C., by Argonne National Laboratory, Argonne, Illinois, May.

EPA, 2005, memorandum from M. Beringer (Data Interpretation and Support Operations Branch, Environmental Services Division, U.S. Environmental Protection Agency Region VII, Kansas City, Kansas) to J. Field (Drinking Water Management Branch; Water, Wetlands, and Pesticides Division, U.S. Environmental Protection Agency Region VII, Kansas City, Kansas), December 21.

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UNL, 2008, *Lincoln, NE, Weather and Climate*, Applied Climate Sciences Department, School of Natural Resources, University of Nebraska-Lincoln, www.hprcc.unl.edu/nebraska/lincoln.html, accessed February 3.

Appendix A:

Photo Gallery



January 2007



Phyto plantation area - Murdock Restoration Site. Note willow branches overhanging pathways.



**Murdock site management
Tree trimming
February 2007**

February 2007
Wetlands



Pathway and trees



Outfall structure





April 2007



Weir installation at the wetlands outfall (top). "V-notch" weir in place at the Murdock wetlands outfall structure (bottom).

May 2007



Deep-rooted native grasses and wildflowers planted in the buffer zone areas at the Murdock Restoration Site.



Native prairie flowers and grasses
in the buffer zone at the Murdock
Restoration Site.





June 2007



Examples of the effect of saturated soils due to heavy rainfall and high winds (leaning trees) in the phyto plantation. Murdock Site Restoration project.



June 2007

Effect of excess rain on tree plantings.
Note water mark on trunk and exposed roots.



Damage to paths due
to excessive rainfall.

Appendix B:

Vegetation Analysis Results



FIGURE B.1 Tree sampling locations in 2007.

TABLE B.1 Results of analyses for volatile organic compounds in vegetation samples collected at Murdock, Nebraska, in 2007.

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October								
E100	WN1	MUE100-WN1-B-19470	7/23/07	15:40	ND ^c	ND	0	Sucker right at ground level, west orientation.
E101	WN1	MUE101-WN1-B-19471	7/23/07	15:41	ND	1	0	Sucker right at ground level, west orientation.
E106	WN1	MUE106WN1-B-22801	4/4/07	14:10	< 1 ^d	2	168	Branch 5.5 ft above ground. North insertion orientation.
E106	WN1	MUE106-WN1-B-19472	7/23/07	14:42	103	34	122	Barely accesible because of standing water and tall grasses. Sampled 48 in. above ground, west orientation. Aphids present.
E111	WN1	MUE111WN1-B-22802	4/4/07	14:15	< 1	3	122	Branch 4 ft above ground. Southwest insertion orientation.
E111	WN1	MUE111-WN1-B-19473	7/23/07	16:00	6	3	76	Sampled 30 in. above ground, north orientation. Tall weeds, aphids.
E112	WN2	MUE112-WN2-B-19474	7/23/07	15:55	< 1	1	91	Primary branch 36 in. above ground, north orientation.
E113	WN1	MUE113-WN1-B-19475	7/23/07	16:01	< 1	2	76	Sampled 30 in. above ground, east orientation.
E116	WN2	MUE116-WN2-B-19476	7/23/07	16:05	< 1	ND	0	Top is dead. Re-sprout from base. Sampled at ground level, east orientation. Aphids present.
E118	WN1	MUE118-WN1-B-19479	7/23/07	16:10	ND	ND	76	Sampled 30 in. above ground, east orientation.
E121	WN1	MUE121-WN1-B-19480	7/23/07	16:11	ND	ND	122	Primary branch sampled 48 in. above ground, north orientation.
E126	WN1	MUE126-WN1-B-19481	7/23/07	16:12	< 1	ND	122	Primary branch sampled 48 in. above ground, east orientation.
E129	WN1	MUE129WN1-B-22803	4/4/07	16:40	ND	ND	137	Secondary branch, 4.5 ft above ground. Northwest insertion orientation.
E129	WN1	MUE129-WN1-B-19482	7/23/07	17:15	< 1	ND	76	Hard to find. Sampled 30 in. above ground, east orientation.
E206	WN2	MUE206-WN2-B-19483	7/23/07	16:20	46	6	61	Primary branch sampled 24 in. above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E207	WN1	MUE207WN1-B-22804	4/4/07	14:25	< 1	3	30	New primary sucker branch 1 ft above ground. West insertion orientation.
E207	WN1	MUE207-WN1-B-19484	7/23/07	16:21	276	28	91	Sampled 36 in. above ground, east orientation.
E207	WN2	MUE207WN2-B-22805	4/4/07	14:26	ND	3	91	Secondary branch, 3 ft above ground. North insertion orientation.
E207	WN2	MUE207-WN2-B-19485	7/23/07	16:22	473	41	91	Sampled 36 in. above ground, east orientation. Standing water.
E245	WN1	MUE245-WN1-B-19486	7/23/07	17:16	ND	ND	76	Secondary branch 6 in. from trunk, sampled 30 in. above ground, east orientation.
E304	WN2	MUE304-WN2-B-19487	7/23/07	16:40	< 1	ND	122	Secondary branch off a node sampled 48 in. above ground, north orientation.
E308	WN1	MUE308WN1-B-22806	4/4/07	14:27	1	2	91	Secondary branch, 3 ft above ground. West insertion orientation.
E308	WN1	MUE308-WN1-B-19488	7/23/07	16:41	553	6	91	Primary branch sampled 36 in. above ground, east orientation.
E308	WN2	MUE308WN2-B-22807	4/4/07	14:28	ND	< 1	122	Secondary branch, 4 ft above ground. Northwest insertion orientation.
E308	WN2	MUE308-WN2-B-19489	7/23/07	16:42	1053	5	122	Primary branch sampled 48 in. above ground, east orientation.
E309	WN1	MUE309WN1-B-22808	4/4/07	14:30	2	2	168	Primary branch, 5.5 ft above ground. Southwest insertion orientation.
E309	WN1	MUE309-WN1-B-19490	7/23/07	16:45	335	10	152	Primary branch sampled 60 in. above ground, east orientation.
E309	WN2	MUE309WN2-B-22809	4/4/07	14:31	< 1	1	168	Secondary branch, 5.5 ft above ground. Northeast insertion orientation.
E309	WN2	MUE309-WN2-B-19491	7/23/07	16:46	290	7	152	Primary branch sampled 60 in. above ground, west orientation.
E314	HP1	MUE314HP1-B-22816	4/4/07	14:45	ND	ND	107	Primary stem, 3.5 ft above ground. South insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E314	HP1	MUE314-HP1-B-19492	7/23/07	16:50	7	4	76	Primary branch sampled 30 in. above ground, south orientation.
E319	WN2	MUE319-WN2-B-19493	7/23/07	16:51	< 1	< 1	122	Secondary branch 6 in. from trunk, sampled 48 in. above ground, west orientation.
E324	WN1	MUE324WN1-B-22817	4/4/07	14:50	ND	ND	0	New sucker branch at ground level. West insertion orientation.
E324	WN1	MUE324-WN1-B-19494	7/23/07	16:55	ND	ND	8	Top dead. Primary branch sampled 3 in. above ground, west orientation.
E340	WN2	MUE340-WN2-B-19495	7/23/07	17:00	< 1	ND	0	Basal sucker sampled at ground level, west orientation.
E345	WN1	MUE345-WN1-B-19496	7/23/07	17:01	ND	< 1	76	Primary branch sampled 30 in. above ground, west orientation.
E400 ^e	EC1	MUE400-EC1-B-25010	10/10/07	14:00	ND	ND	107	Primary branch 3.5 ft above ground, west orientation. Large tree near bench.
E401	EC1	MUE401-EC1-B-19570	7/24/07	15:10	ND	ND	91	Incorrectly tagged as E400. Sampled 36 in. above ground, east orientation.
E428	WN1	MUE438WN1-B-22818	4/4/07	14:51	ND	1	107	Secondary branch, 3.5 ft above ground. East insertion orientation.
E438	WN1	MUE438-WN1-B-19497	7/24/07	8:55	< 1	ND	81	Primary branch 32 in. above ground, east orientation.
E500	EC1	MUE500-EC1-B-19498	7/24/07	8:25	ND	ND	0	Sucker from base, south orientation.
E502	WN1	MUE502-WN1-B-19499	7/24/07	8:30	ND	ND	0	Ground sucker, west orientation.
E507	EC	MUE507-EC-B-19500	7/24/07	8:31	ND	ND	102	Sampled 40 in. above ground, east orientation.
E512	WN1	MUE512-WN1-B-19501	7/24/07	8:32	ND	ND	51	Sampled 20 in. above ground, east orientation.
E517	WN1	MUE517WN1-B-22819	4/4/07	15:00	ND	ND	30	Primary branch, 1 ft above ground. East insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E517	WN1	MUE517-WN1-B-19502	7/24/07	8:35	< 1	< 1	0	Low branch at ground level, east orientation.
E522	EC	MUE522-EC-B-19503	7/24/07	8:40	< 1	1	91	Primary branch 36 in. above ground, east orientation.
E527	WN2	MUE527-WN2-B-19504	7/24/07	8:41	< 1	ND	91	Very wet ground, jungle. Primary branch sampled 36 in. above ground, east orientation. No WN1 at this location.
E532	WN1	MUE532-WN1-B-19505	7/24/07	8:45	2	2	122	Secondary branch, 1 in. away from trunk, sampled 48 in. above ground, east orientation.
E537	WN1	MUE537-WN1-B-19506	7/24/07	8:50	ND	ND	91	Primary branch sampled 36 in. above ground, east orientation. Standing water.
E542	WN	MUE542-WN-B-19507	7/24/07	8:51	ND	ND	91	Standing water. Black willow being dominated. Primary branch (WN) sampled 36 in. above ground, east orientation.
E547	WN2	MUE547-WN2-B-19508	7/23/07	17:30	< 1	ND	86	Primary branch sampled 34 in. above ground, west orientation.
E550	WN1	MUE550WN1-B-22820	4/4/07	15:15	ND	ND	122	Secondary branch, 4 ft above ground. Northeast insertion orientation. Tree was incorrectly labeled 556. Removed stakes.
E550	WN1	MUE550-WN1-B-19509	7/23/07	17:25	ND	ND	0	Sucker at ground level. East orientation. Aphids.
E555	WN1	MUE555-WN1-B-19510	7/23/07	17:21	< 1	ND	61	Secondary branch 2 in. off trunk sampled 24 in. above ground, east orientation. Aphids present.
E557	WN1	MUE557-WN1-B-19511	7/23/07	17:20	ND	< 1	8	Primary branch 3 in. above ground, east orientation.
E600 ^e	EC2	MUE600-EC2-B-25007	10/10/07	13:46	ND	ND	107	Primary branch 3.5 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E601 ^e	WN1	MUE601-WN1-B-25008	10/10/07	13:50	ND	ND	46	Low branch 18 in. above ground, west orientation.
E602 ^e	EC2	MUE602-EC2-B-25009	10/10/07	13:51	ND	ND	10	Low primary branch 4 in. above ground, west orientation.
E659	WN1	MUE659WN1-B-22821	4/4/07	16:10	ND	ND	107	Secondary branch, 3.5 ft above ground. East insertion orientation.
E659	WN1	MUE659-WN1-B-19512	7/24/07	9:52	< 1	ND	91	Primary branch 36 in. above ground, east orientation. Aphids.
E700	EC1	MUE700-EC1-B-19513	7/24/07	9:00	< 1	ND	112	Primary branch 44 in. above ground, south orientation.
E700	EC1	MUE700-EC1-B-24995	10/10/07	13:00	ND	ND	8	Low primary branch 3 in. above ground, north orientation.
E701 ^e	WN1	MUE701-WN1-B-24996	10/10/07	13:10	ND	ND	46	Primary branch (with leaves on) 1.5 ft above ground, west orientation.
E702 ^e	EC2	MUE702-EC2-B-24997	10/10/07	13:15	ND	ND	3	Low primary branch 1 in. above ground, south orientation.
E703 ^e	EC2	MUE703-EC2-B-24998	10/10/07	13:20	ND	ND	15	Low primary branch 6 in. above ground, south orientation.
E704 ^e	EC	MUE704-EC-B-24999	10/10/07	13:25	ND	ND	10	Low primary branch 4 in. above ground, north orientation.
E705	EC2	MUE705-EC2-B-19514	7/24/07	9:05	ND	ND	8	Primary branch close to ground, 3 in. above ground, southeast orientation.
E705	EC2	MUE705-EC2-B-25000	10/10/07	13:26	ND	ND	25	Low primary branch 10 in. above ground, west orientation. EC2 is the smaller tree at this location.
E706 ^e	WN2	MUE706-WN2-B-25001	10/10/07	13:30	34	5	25	Low primary branch 10 in. above ground, south orientation. Both trees at this location are incorrectly tagged as species EC; they are both WN.
E707 ^e	EC1	MUE707-EC1-B-25002	10/10/07	13:31	3	1	122	Primary branch 4 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E708 ^e	EC2	MUE708-EC2-B-25003	10/10/07	13:35	< 1	< 1	8	Low primary branch 3 in. above ground, north orientation.
E709 ^e	WN1	MUE709-WN1-B-25004	10/10/07	13:40	< 1	< 1	30	Low primary branch 1 ft above ground west orientation.
E710	EC	MUE710-EC-B-19515	7/24/07	9:06	< 1	ND	127	Primary branch 50 in. above ground, west orientation.
E710	EC	MUE710-EC-B-25005	10/10/07	13:41	< 1	1	122	Primary branch 4 ft above ground, east orientation.
E715	EC1	MUE715-EC1-B-25006	10/10/07	13:45	4	1	91	Small primary branch 3 ft above ground, northwest orientation. EC1 sampled, the larger tree at this location.
E715	EC2	MUE715-EC2-B-19516	7/24/07	9:07	< 1	ND	3	Primary branch 1 in. above ground, east orientation.
E720	EC	MUE720EC-B-22822	4/4/07	15:55	ND	ND	30	Primary branch, 1 ft above ground. East insertion orientation.
E720	EC	MUE720-EC-B-19517	7/24/07	9:08	< 1	5	10	Primary branch 4 in. above ground, south orientation.
E720	GA	MUE720GA-B-22823	4/4/07	15:56	ND	< 1	152	Branch 5 ft above ground. Northeast insertion orientation.
E720	GA	MUE720-GA-B-19518	7/24/07	9:09	ND	ND	8	Primary branch 3 in. above ground, west orientation.
E725	EC	MUE725-EC-B-19519	7/24/07	9:10	ND	ND	107	Primary branch 42 in. above ground, north orientation.
E730	EC	MUE730-EC-B-19520	7/24/07	9:15	ND	ND	102	Primary branch 40 in. above ground, east orientation.
E735	EC1	MUE735EC1-B-22824	4/4/07	16:01	ND	ND	91	Primary branch 3 ft above ground. Tree well.
E735	EC1	MUE735-EC1-B-19521	7/24/07	9:16	ND	ND	5	Primary branch 2 in. above ground, southwest orientation. Standing water.
E735	EC2	MUE735EC2-B-22825	4/4/07	16:00	ND	ND	25	Primary branch 10 in. above ground. Tree well.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E735	EC2	MUE735-EC2-B-19522	7/24/07	9:17	< 1	< 1	102	Primary branch 40 in. above ground, west-south orientation.
E740	EC	MUE740-EC-B-19523	7/24/07	9:20	ND	ND	20	Primary branch 8 in. above ground, south orientation. Standing water. Algae.
E758	EC1	MUE758-EC1-B-19524	7/24/07	9:30	< 1	1	122	Primary branch 48 in. above ground, north orientation.
E800 ^e	EC2	MUE800-EC2-B-24984	10/10/07	12:00	ND	ND	25	Low primary branch 10 in. above ground, west orientation. Only 1 tree at this location.
E801 ^e	WN1	MUE801-WN1-B-24985	10/10/07	12:05	ND	ND	13	Primary branch 5 in. above ground, northwest orientation. Only 1 tree at this location.
E802 ^e	EC	MUE802-EC-B-24986	10/10/07	12:10	ND	ND	5	Low primary branch 2 in. above ground, south orientation.
E803 ^e	EC2	MUE803-EC2-B-24987	10/10/07	12:11	ND	ND	107	Secondary branch 3.5 ft above ground, south orientation. Sample collected 4 in. from trunk.
E804 ^e	EC2	MUE804-EC2-B-24988	10/10/07	12:15	ND	ND	3	Low primary branch 1 in. above ground, east orientation. EC2 tree is the easternmost tree.
E805 ^e	EC	MUE805-EC-B-24989	10/10/07	12:20	ND	ND	122	Secondary branch 4 ft above ground, west orientation. Sample collected 1 ft from trunk.
E806 ^e	EC2	MUE806-EC2-B-24990	10/10/07	12:21	ND	ND	91	Primary branch 3 ft above ground, west orientation.
E807 ^e	EC	MUE807-EC-B-24991	10/10/07	12:25	ND	ND	5	Low primary branch 2 in. above ground, west orientation.
E808 ^e	EC2	MUE808-EC2-B-24992	10/10/07	12:26	ND	ND	15	Low primary branch 6 in. above ground, northeast orientation.
E809 ^e	EC	MUE809-EC-B-24993	10/10/07	12:30	ND	ND	3	Low primary branch 1 in. above ground, south orientation.
E810 ^e	EC1	MUE810-EC1-B-24994	10/10/07	12:35	ND	ND	3	Low primary branch 1 in. above ground, south orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
E845	WN1	MUE845-WN1-B-19525	7/24/07	9:31	< 1	2	91	Primary branch 36 in. above ground, north orientation. Wet.
E845	WN2	MUE845-WN2-B-19526	7/24/07	9:53	< 1	ND	91	Primary branch 36 in. above ground, east orientation. In dense vegetation.
E858	HP	MUE858-HP-B-19527	7/24/07	9:40	1	ND	152	Primary branch 60 in. above ground, south orientation.
E862	EC	MUE862-EC-B-19528	7/24/07	9:41	< 1	< 1	71	Primary branch 28 in. above ground, northeast orientation.
E866	EC	MUE866-EC-B-19529	7/24/07	9:45	ND	ND	5	Primary branch 2 in. above ground, north orientation.
E866	GA	MUE866-GA-B-19530	7/24/07	9:46	ND	ND	112	Primary branch 44 in. above ground, north orientation.
E869	EC	MUE869-EC-B-19531	7/24/07	9:50	ND	ND	122	Secondary branch 8 in. away from trunk sampled 48 in. above ground, west orientation.
E871	EC	MUE871-EC-B-19532	7/24/07	9:51	ND	ND	102	Primary branch 40 in. above ground, north orientation.
W103	EC1	MUW103-EC1-B-19386	7/23/07	10:20	< 1	ND	8	Sucker at base of tree 3 in. above ground. North insertion orientation.
W104	WN1	MUW104-WN1-B-19387	7/23/07	10:30	ND	ND	3	WN main tree looks dead. Sampled sucker at base of tree 1 in. above ground. Northwest insertion orientation.
W106	WN1	MUW106-WN1-B-19388	7/23/07	10:31	< 1	ND	3	Both main trunks look dead. Lots of growth at base. Sampled at base of tree 1 in. above ground. Southwest insertion orientation.
W107	WN2	MUW107-WN2-B-19389	7/23/07	10:35	< 1	ND	15	Sampled 6 in. above ground. Southwest insertion orientation.
W109	WN1	MUW109WN1-B-22829	4/4/07	17:00	ND	2	107	Secondary branch, 3.5 ft above ground. West insertion orientation.
W109	WN1	MUW109-WN1-B-19392	7/23/07	10:42	5	7	25	Sampled 10 in. above ground. South insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W109	WN1	MUW109-WN1-B-25018	10/10/07	14:11	287	110	107	Larger primary branch 3.5 ft above ground, west orientation.
W109	WN2	MUW109WN2-B-22830	4/4/07	17:01	ND	11	122	Secondary branch, 4 ft above ground. West insertion orientation.
W109	WN2	MUW109-WN2-B-19390	7/23/07	10:40	2	2	30	Standing water. Sampled 12 in. above ground. South insertion orientation.
W109	WN2	MUW109B1-V-19612	8/9/07	13:57	29	27		First week (for this location) of 4-week series of samples. Branch of main trunk.
W109	WN2	MUW109B2-V-19618	8/16/07	14:03	28	15		Second week (for this location) of 4-week series of samples. Branch of main trunk.
W109	WN2	MUW109B3-V-19627	8/23/07	11:38	26	18		Third week (for this location) of 4-week series of samples.
W109	WN2	MUW109B4-V-19632	8/30/07		24	19		Fourth week (for this location) of 4-week series of samples.
W109	WN2	MUW109-WN2-B-25011	10/10/07	14:10	27	23	91	Small primary branch 3 ft above ground, west orientation.
W110	WN1	MUW110-WN1-B-19394	7/23/07	10:45	44	23	91	Sampled 36 in. above ground. Southeast insertion orientation.
W110	WN2	MUW110B1-V-19606	8/1/07	9:06	9	6		Tree branch pre-selected on 7/25/07 for VOCs sampling over 4-week period.
W110	WN2	MUW110B2-V-19611	8/9/07	11:54	43	25		Second week of 4-week series of samples.
W110	WN2	MUW110B3-V-19617	8/16/07	14:09	10	6		Third week of 4-week series of samples.
W110	WN2	MUW110B4-V-19626	8/23/07	11:40	13	17		Fourth week of 4-week series of samples.
W110	WN2	MUW110-WN2-B-25012	10/10/07	14:12	4	7	30	Two small branches near base of tree. Sample collected from primary branch 1 ft above ground, west orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W111	WN1	MUW111WN1-B-22760	4/4/07	9:10	< 1	3	91	Secondary branch, 3 ft above ground. West insertion orientation.
W111	WN1	MUW111-WN1-B-19396	7/23/07	10:50	114	41	76	Sampled 30 in. above ground. South insertion orientation.
W111	WN2	MUW111WN2-B-22761	4/4/07	9:11	ND	3	122	Secondary branch, 4 ft above ground. West insertion orientation.
W111	WN2	MUW111-WN2-B-19398	7/23/07	10:52	8	7	15	Sampled 6 in. above ground. South insertion orientation.
W114	WN2	MUW114WN2-B-22762	4/4/07	9:20	1	7	122	Primary branch, 4 ft above ground. North insertion orientation.
W114	WN2	MUW114-WN2-B-19400	7/23/07	11:00	1277	52	30	Standing water. Sampled 12 in. above ground. West insertion orientation.
W119	WN1	MUW119WN1-B-22763	4/4/07	9:21	4	48	91	Primary branch, 3 ft above ground. East insertion orientation.
W119	WN1	MUW119-WN1-B-19401	7/23/07	11:01	204	41	122	Standing water. Sampled 48 in. above ground. West insertion orientation.
W119	WN2	MUW119WN2-B-22764	4/4/07	9:22	3	43	122	Secondary branch, 4 ft above ground. South insertion orientation.
W119	WN2	MUW119-WN2-B-19402	7/23/07	11:02	692	72	132	Sampled 52 in. above ground. West insertion orientation.
W119	WN2	MUW119B1-V-19607	8/1/07	9:12	245	61		Tree branch pre-selected on 7/25/07 for VOCs sampling over 4-week period.
W119	WN2	MUW119B2-V-19613	8/9/07	13:49	14	14		Second week of 4-week series of samples.
W119	WN2	MUW119B3-V-19619	8/16/07	14:12	569	62		Third week of 4-week series of samples.
W119	WN2	MUW119B4-V-19628	8/23/07	11:43	224	49		Fourth week of 4-week series of samples.
W119	WN2	MUW119-WN2-B-25013	10/10/07	14:15	744	98	122	Secondary branch 4 ft above ground, northwest orientation. Sample collected 6 in. from trunk. (Primary branch is 4 ft above ground.)

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W121	WN2	MUW121WN2-B-22765	4/4/07	9:25	2	7	107	Secondary branch, 3.5 ft above ground. West insertion orientation.
W121	WN2	MUW121-WN2-B-19403	7/23/07	11:05	36	19	91	Secondary branch 36 in. above ground. Sampled 12 in. from trunk insertion, west orientation.
W124	WN2	MUW124WN2-B-22766	4/4/07	9:30	22	49	91	Primary branch, 3 ft above ground. East insertion orientation.
W124	WN2	MUW124-WN2-B-19404	7/23/07	11:10	75	16	76	Large aphid infestation. Two pictures taken. Sampled 30 in. above ground. Northwest insertion orientation.
W128	WN1	MUW128WN1-B-22767	4/4/07	9:35	< 1	3	122	Secondary branch, 4 ft above ground. West insertion orientation.
W128	WN1	MUW128-WN1-B-19405	7/23/07	11:15	7	4	91	Sampled 36 in. above ground. West insertion orientation.
W128	WN1	MUW128B1-V-19610	8/1/07	9:14	5	4		Tree branch pre-selected on 7/25/07 for VOCs sampling over 4-week period.
W128	WN1	MUW128B2-V-19616	8/9/07	13:43	< 1	2		Second week of 4-week series of samples.
W128	WN1	MUW128B3-V-19622	8/16/07	14:16	3	3		Third week of 4-week series of samples.
W128	WN1	MUW128B4-V-19631	8/23/07	11:45	5	10		Fourth week of 4-week series of samples.
W128	WN1	MUW128-WN1-B-25014	10/10/07	14:20	361	53	30	Small primary branch 1 ft above ground, east orientation.
W128	WN2	MUW128WN2-B-22768	4/4/07	9:36	3	10	61	Larger branch, 2 ft above ground. West insertion orientation.
W128	WN2	MUW128-WN2-B-19406	7/23/07	11:20	4	3	91	Sampled 36 in. above ground. West insertion orientation.
W129	WN2	MUW129-WN2-B-19407	7/23/07	11:25	< 1	ND	122	Sampled 48 in. above ground. West insertion orientation.
W132	WN1	MUW132WN1-B-22827	4/4/07	16:30	< 1	4	122	Primary branch 4 ft above ground. Southeast insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W132	WN1	MUW132-WN1-B-19408	7/23/07	11:30	2	2	132	Sampled 52 in. above ground. West insertion orientation.
W132	WN2	MUW132WN2-B-22769	4/4/07	9:40	< 1	8	122	Primary branch, 4 ft above ground. East insertion orientation.
W134	WN1	MUW134-WN1-B-19409	7/23/07	11:31	< 1	ND	91	Sampled 36 in. above ground. West insertion orientation. Secondary branch, approximately 30 in. from insertion into trunk.
W139	WN2	MUW139-WN2-B-19410	7/23/07	11:35	ND	ND	91	Secondary branch 36 in. above ground. Sampled 20 in. from trunk insertion, west orientation.
W144	WN2	MUW144-WN2-B-19411	7/23/07	11:40	ND	ND	122	Secondary branch 48 in. above ground. Sampled 10 in. from trunk insertion, south orientation.
W148	WN2	MUW148WN2-B-22770	4/4/07	9:50	< 1	4	152	Primary branch, 5 ft above ground. Southeast insertion orientation.
W148	WN2	MUW148-WN2-B-19412	7/23/07	11:41	7	5	102	Secondary branch 40 in. above ground. Sampled 1 in. from trunk insertion, west orientation.
W153	WN2	MUW153-WN2-B-19413	7/23/07	11:45	6	2	122	Secondary branch 48 in. above ground. Sampled 1 in. from trunk insertion, west orientation.
W157	WN1	MUW157-WN1-B-19414	7/23/07	11:46	25	6	122	Sampled 48 in. above ground. West insertion orientation. Only tree at this location.
W158	WN1	MUW158WN1-B-22771	4/4/07	9:51	< 1	2	122	Primary branch, 4 ft above ground. North insertion orientation.
W158	WN1	MUW158-WN1-B-19415	7/23/07	11:50	73	8	137	Secondary branch 54 in. above ground. Sampled 2 in. off trunk, north orientation.
W158	WN2	MUW158WN2-B-22772	4/4/07	9:55	< 1	2	131	Primary branch, 4.3 ft above ground. North insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W158	WN2	MUW158-WN2-B-19416	7/23/07	11:51	80	10	137	Secondary branch 54 in. above ground. Sampled 4 in. off trunk, west orientation.
W159	EC2	MUW159-EC2-B-19417	7/23/07	11:55	39	6	122	No tags. Sampled tree at northernmost location, 48 in. above ground, north orientation.
W203	WN1	MUW203-WN1-B-19418	7/23/07	12:00	< 1	1	3	New branch close to ground.
W210	WN1	MUW210WN1-B-22826	4/4/07	16:35	ND	4	122	Secondary branch, 4 ft above ground. West insertion orientation.
W210	WN2	MUW210WN2-B-22773	4/4/07	10:20	ND	2	91	Primary branch, 3 ft above ground. North insertion orientation.
W210	WN2	MUW210-WN2-B-19419	7/23/07	12:01	222	63	76	Aphids present. Sampled 30 in. above ground, north orientation.
W211	EC	MUW211-EC-B-19420	7/23/07	12:05	5	9	91	Secondary branch 36 in. above ground, west orientation. Fewer leaves than expected.
W212	WN2	MUW212WN2-B-22775	4/4/07	10:10	< 1	ND	107	Primary branch, 3.5 ft above ground. West insertion orientation.
W212	WN2	MUW212-WN2-B-19421	7/23/07	12:10	361	31	76	Secondary branch 30 in. above ground. Sampled 4 in. off trunk, west orientation.
W303	EC1	MUW303-EC1-B-19422	7/23/07	12:15	3	3	61	Secondary branch extending from base of tree, sampled 24 in. above ground, west orientation.
W308	EC	MUW308EC-B-22776	4/4/07	10:25	ND	< 1		Side spur at base of tree. West insertion orientation.
W308	EC	MUW308-EC-B-19423	7/23/07	12:20	61	46	76	Main branch, 30 in. above ground, north orientation.
W308	EC1	MUW303EC1-B-22777	4/4/07	10:26	ND	ND	122	Secondary branch, 4 ft above ground. Southwest insertion orientation.
W357	WN1	MUW357WN1-B-22774	4/4/07	9:56	ND	ND	152	Secondary branch, 5 ft above ground. North insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W357	WN1	MUW357-WN1-B-19424	7/23/07	12:25	< 1	ND	152	Secondary branch 6 in. off truck, sampled 60 in. above ground, west orientation.
W402	EC2	MUW402-EC2-B-19425	7/23/07	12:21	< 1	3	20	Secondary branch off primary at base sampled 8 in. above ground, west orientation.
W407	WN1	MUW407WN1-B-22778	4/4/07	10:30	< 1	6	20	Primary branch, 8 in. above ground. West insertion orientation.
W407	WN1	MUW407-WN1-B-19426	7/23/07	13:30	58	15		Sampled right at base, west orientation.
W407	WN2	MUW407WN2-B-22779	4/4/07	10:31	< 1	12	122	Secondary branch, 4 ft above ground. East insertion orientation.
W407	WN2	MUW407-WN2-B-19427	7/23/07	13:31	610	72	15	Sampled 6 in. above ground, west-south orientation.
W412	EC2	MUW412-EC2-B-19428	7/23/07	13:32	ND	ND	107	Secondary branch approximately 12 in. off truckm sampled 42 in. above ground, south orientation.
W417	EC1	MUW417EC1-B-22780	4/4/07	10:40	< 1	ND	122	Secondary branch, 4 ft above ground. South insertion orientation.
W417	EC1	MUW417-EC1-B-19429	7/23/07	13:35	1073	78	122	Sampled 48 in. above ground, west orientation.
W422	EC2	MUW422-EC2-B-19430	7/23/07	13:36	855	64	152	Sampled 60 in. above ground, west orientation.
W426	EC2	MUW426EC2-B-22781	4/4/07	10:45	< 1	ND	152	Primary branch, 5 ft above ground. Northeast insertion orientation.
W426	EC2	MUW426-EC2-B-19431	7/23/07	13:40	360	56	152	Main branch, 60 in. above ground, west orientation.
W427	EC	MUW427EC-B-22782	4/4/07	10:50	< 1	ND	183	Secondary branch, 6 ft above ground. Southeast insertion orientation.
W427	EC	MUW427-EC-B-19432	7/23/07	13:41	212	94	168	Nothing to sample below 6 ft. Secondary branch, 4 in. off trunk, sampled 66 in. above ground, southwest orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W427	GA	MUW427GA-B-22783	4/4/07	10:51	ND	< 1	122	Branch 4 ft above ground. West insertion orientation. Incorrectly labeled in field as EC1.
W427	GA	MUW427-GA-B-19433	7/23/07	13:42	9	9	122	Secondary branch, 6 in. off main stem sampled 48 in. above ground, southeast orientation.
W432	EC	MUW432-EC-B-19434	7/23/07	13:45	1	3	122	Main branch sampled 48 in. above ground, north orientation.
W436	WN2	MUW436-WN2-B-19435	7/23/07	13:46	< 1	ND	76	Main branch and secondaries 30 in. above ground, south orientation. Trees do not look good.
W447	WN	MUW447WN-B-22784	4/4/07	10:55	ND	2	183	Secondary branch, 6 ft above ground. West insertion orientation.
W447	WN	MUW447-WN-B-19436	7/23/07	13:50	< 1	2	10	Main branch, 4 in. above ground, southwest orientation.
W452	WN2	MUW452-WN2-B-19437	7/23/07	13:55	21	6	122	Secondary branch, 6 in. off trunk, sampled 48 in. above ground, west orientation.
W457	EC	MUW457-EC-B-19438	7/23/07	13:56	< 1	ND	5	Sampled 2 in. above ground, west orientation. At this location, GA is mislabeled as EC2.
W505	EC1	MUW505EC1-B-22828	4/4/07	15:25	3	1	8	New branch 3 in. above ground. Northwest insertion orientation.
W505	EC1	MUW505-EC1-B-19446	7/23/07	14:01	ND	1	91	Branch 36 in. above ground, south orientation.
W505	EC1	MUW505-EC1-B-25016	10/10/07	14:26	2	2	122	Primary branch 4 ft above ground, east orientation.
W505	EC2	MUW505EC2-B-22793	4/4/07	11:40	< 1	ND	152	Secondary branch, 5 ft above ground. East insertion orientation.
W505	EC2	MUW505-EC2-B-19439	7/23/07	14:00	56	36	122	Primary branch 48 in. above ground, west orientation.
W505	EC2	MUW505B1-V-19609	8/1/07	9:02	5	16		Tree branch pre-selected on 7/25/07 for VOCs sampling over 4-week period.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W505	EC2	MUW505B2-V-19615	8/9/07	14:00	18	32		Second week of 4-week series of samples.
W505	EC2	MUW505B3-V-19621	8/16/07	13:57	161	18		Third week of 4-week series of samples.
W505	EC2	MUW505B4-V-19630	8/23/07	11:34	8	14		Fourth week of 4-week series of samples.
W505	EC2	MUW505-EC2-B-25015	10/10/07	14:25	3	4	152	Secondary branch 5 ft above ground, west orientation. Sample collected 1 ft from trunk.
W601	EC	MUW601-EC-B-19440	7/23/07	14:15	ND	ND	122	Primary branch 48 in. above ground, south orientation.
W606	EC1	MUW606EC-B-22791	4/4/07	11:26	3	ND	15	Branch 6 in. above ground. EC1. West insertion orientation.
W606	EC1	MUW606-EC1-B-19441	7/23/07	14:20	805	86	8	New sucker near ground, 3 in. above ground, north orientation.
W606	EC1	MUW606B1-V-19608	8/1/07	8:57	1957	150		Tree branch pre-selected on 7/25/07 for VOCs sampling over 4-week period.
W606	EC1	MUW606B2-V-19614	8/9/07	14:02	2135	172		Second week of 4-week series of samples.
W606	EC1	MUW606B3-V-19620	8/16/07	13:56	2136	150		Third week of 4-week series of samples.
W606	EC1	MUW606B4-V-19629	8/23/07	11:33	2182	211		Fourth week of 4-week series of samples.
W606	EC1	MUW606-EC1-B-25017	10/10/07	14:30	41	25	46	Low primary branch 1.5 ft above ground, west orientation. Distal section of what was previously sampled.
W606	EC2	MUW606EC2-B-22792	4/4/07	11:30	< 1	ND	15	Branch 6 in. above ground. North insertion orientation.
W606	EC2	MUW606-EC2-B-19442	7/23/07	14:21	2537	292	15	Primary branch about 6 in. above ground, north orientation. New sucker.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W611	EC1	MUW611EC1-B-22790	4/4/07	11:25	< 1	ND	15	Branch 6 in. above ground. Southwest insertion orientation.
W611	EC1	MUW611-EC1-B-19443	7/23/07	14:22	68	4	91	Primary branch, 36 in. above ground, east orientation.
W616	EC1	MUW616EC1-B-22789	4/4/07	11:11	ND	ND	10	Branch 4 in. above ground. West insertion orientation.
W616	EC1	MUW616-EC1-B-19444	7/23/07	14:25	204	105	10	Primary branch 4 in. above ground, west orientation.
W621	EC	MUW621EC-B-22788	4/4/07	11:10	< 1	ND	30	Branch 1 ft above ground. East insertion orientation.
W621	EC	MUW621-EC-B-19445	7/23/07	14:26	23	4	8	Primary branch 3 in. above ground, west orientation.
W626	EC	MUW626EC-B-22787	4/4/07	11:06	< 1	ND	91	Primary branch, 3 ft above ground. East insertion orientation.
W626	EC	MUW626-EC-B-19449	7/23/07	14:30	396	97	122	Seems like tree lost some leaves, but top ones are nice and green. Sampled 48 in. above ground, northwest orientation.
W636	EC	MUW636EC-B-22786	4/4/07	11:05	< 1	ND	91	Primary branch, 3 ft above ground. Northwest insertion orientation.
W636	EC	MUW636-EC-B-19450	7/23/07	14:31	12	5	122	Primary branch 48 in. above ground, west orientation.
W641	EC1	MUW641-EC1-B-19451	7/23/07	14:35	1	1	8	Primary branch 3 in. above ground, south orientation. EC2 mislabeled as W642.
W646	WN1	MUW646WN1-B-22785	4/4/07	11:00	ND	ND	122	Secondary branch, 4 ft above ground. Southeast insertion orientation.
W646	WN1	MUW646-WN1-B-19452	7/23/07	14:36	5	2	91	Secondary branch 8 in. from stem sampled 36 in. above ground, south orientation.
W651	WN2	MUW651-WN2-B-19453	7/23/07	14:40	< 1	1	137	Sampled 54 in. above ground, south orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W800 ^e	EC1	MUW800-EC1-B-24971	10/10/07	11:00	ND	ND	30	Sucker at base of tree (from ground). Sample collected 1 ft above ground, north orientation.
W801	EC2	MUW801-EC2-B-19454	7/23/07	15:16	< 1	ND	5	Primary branch sampled 2 in. above ground, south orientation.
W801	EC2	MUW801-EC2-B-24972	10/10/07	11:05	ND	ND	30	Branch from base of tree. Sample collected 1 ft above ground, west orientation.
W802 ^e	EC2	MUW802-EC2-B-24973	10/10/07	11:10	< 1	ND	30	Primary branch 1 ft above ground, south orientation.
W803 ^e	WN1	MUW803-WN1-B-24974	10/10/07	11:15	< 1	2	25	Primary branch 10 in. above ground, south orientation. Leaves on tree.
W804 ^e	EC	MUW804-EC-B-24975	10/10/07	11:20	ND	ND	25	Primary branch 10 in. above ground, south orientation.
W805 ^e	WN1	MUW805-WN1-B-24976	10/10/07	11:21	1766	148	30	Primary branch 1 ft above ground, south orientation.
W806	EC2	MUW806EC2-B-22794	4/4/07	11:45	5	ND	137	Secondary branch, 4.5 ft above ground. Off the west side.
W806	EC2	MUW806-EC2-B-19455	7/23/07	15:15	215	19	122	Primary branch 48 in. above ground, west orientation.
W806	EC2	MUW806-EC2-B-24977	10/10/07	11:25	183	27	91	Secondary branch 3 ft above ground, south orientation. Sample collected 2 ft from trunk. (Primary branch insertion is 3 ft above ground.)
W807 ^e	WN	MUW807-WN-B-24978	10/10/07	11:26	1237	65	5	Primary branch 2 in. above ground, south orientation. Only 1 tree (willow) at this location.
W808 ^e	WN2	MUW808-WN2-B-24979	10/10/07	11:30	2876	110	30	Secondary branch 1 ft above ground, south orientation. Tag incorrectly shows location as W807 (not W808).

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W809	EC2	MUW809-EC2-B-19568	7/24/07	15:00	1955	23	122	Secondary branch 6 in. off trunk sampled 48 in. above ground, east orientation. Approximately 20 ft tall. Deer injury.
W809	EC2	MUW809-EC2-B-24980	10/10/07	11:35	1471	82	122	Secondary branch 4 ft above ground, south orientation. Sample collected 1 ft from trunk.
W810	EC1	MUW810-EC1-B-19569	7/24/07	15:01	431	36	137	Primary branch 54 in. above ground, northeast orientation. Approximately 18-20 ft tall.
W810	EC1	MUW810-EC1-B-24982	10/10/07	11:41	599	38	3	Sucker at base of tree. Sample collected 1 in. above ground, west orientation. EC1 tree is smaller than EC2 tree. Both trees sampled.
W810	EC2	MUW810EC2-B-22795	4/4/07	11:46	ND	ND	15	Primary branch, 6 in. above ground. West insertion orientation.
W810	EC2	MUW810-EC2-B-19456	7/23/07	15:12	831	22	15	Primary stem near ground, west orientation.
W810	EC2	MUW810-EC2-B-24981	10/10/07	11:40	1766	42	122	Secondary branch 4 ft above ground, southwest orientation. Sample collected 1 ft from trunk.
W815	EC2	MUW815-EC2-B-19457	7/23/07	15:11	< 1	ND	122	Sampled 48 in. above ground, south orientation. Deer damage.
W820	EC1	MUW820EC1-B-22796	4/4/07	11:55	ND	ND	15	Primary branch, 6 in. above ground. East insertion orientation.
W820	EC1	MUW820-EC1-B-19458	7/23/07	15:10	< 1	ND	15	Sampled 6 in. above ground, south orientation.
W820	EC2	MUW820EC2-B-22797	4/4/07	11:56	ND	ND	137	Primary branch, 4.5 ft above ground. Southeast insertion orientation.
W820	EC2	MUW820-EC2-B-19459	7/23/07	15:05	< 1	ND	122	Sampled 48 in. above ground, west orientation.
W825	EC1	MUW825-EC1-B-19460	7/23/07	15:03	4	1		Sucker sampled (primary branch) at ground level, west orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W830	EC	MUW830-EC-B-19461	7/23/07	15:02	4	1	114	Primary branch 45 in. above ground, east orientation.
W835	EC	MUW835-EC-B-19462	7/23/07	15:01	1	< 1	8	Sampled 3 in. above ground, west orientation.
W840	WN1	MUW840-WN1-B-19463	7/23/07	15:00	4	ND	30	Sampled 12 in. above ground, east-north orientation.
W845	EC1	MUW845EC1-B-22798	4/4/07	12:00	ND	ND	122	Primary branch, 4 ft above ground. East insertion orientation.
W845	EC1	MUW845-EC1-B-19464	7/23/07	14:50	ND	ND	5	Sampled 2 in. above ground, south orientation.
W849	EC1	MUW849-EC1-B-19465	7/23/07	14:47	< 1	ND	102	Secondary branch 16 in. from trunk, sampled 40 in. above ground, north orientation.
W854	EC	MUW854EC-B-22799	4/4/07	12:01	ND	ND	91	Secondary branch, 3 ft above ground. West insertion orientation.
W854	EC	MUW854-EC-B-19466	7/23/07	14:45	2	2	102	Primary branch 40 in. above ground, west orientation.
W854	GA	MUW854GA-B-22800	4/4/07	12:05	ND	ND	137	Branch 4.5 ft above ground. East insertion orientation. Tree is GA but incorrectly labeled as EC.
W854	GA	MUW854-GA-B-19467	7/23/07	14:46	ND	ND		Sucker at ground level. West orientation.
W859	EC	MUW859-EC-B-19468	7/23/07	14:41	ND	ND	5	Primary branch 2 in. above ground, north orientation.
W900	EC1	MUW900-EC1-B-19560	7/24/07	14:25	ND	ND	122	Primary branch 48 in. above ground, south orientation.
W900	EC1	MUW900-EC1-B-24960	10/10/07	10:05	ND	ND	152	Secondary branch 5 ft above ground, east orientation. Sample collected 1 ft from trunk. No leaves on sampled branch, but new buds.
W901	EC1	MUW901-EC1-B-19561	7/24/07	14:30	5	1	152	Secondary branc, 24 in. from trunk, sampled 60 in. above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W901	EC1	MUW901-EC1-B-24961	10/10/07	10:10	< 1	1	152	Secondary branch 5 ft above ground, south-east orientation. Sample collected 1 ft from trunk. No leaves on sampled branch, new buds present.
W902	EC2	MUW902-EC2-B-19559	7/24/07	14:20	< 1	< 1	91	Secondary branch 6 in. off main sampled 36 in. above ground, east orientation. Approximately 18 ft tall.
W902	EC2	MUW902-EC2-B-24962	10/10/07	10:15	ND	ND	152	Secondary branch 5 ft above ground, west orientation. Sample collected 1 ft from trunk. Note EC1-EC2 not marked on stake, but on original label. EC2 is westernmost tree.
W903	EC	MUW903-EC-B-19562	7/24/07	14:35	50	3	10	Primary branch 4 in. above ground, northeast orientation. Approximately 20 ft tall.
W903	EC	MUW903-EC-B-24983	10/10/07	10:21	< 1	1	8	Sucker at base of tree for comparison with sample MUW903-EC-B-24963. Sample collected 3 in. above ground, west orientation.
W903	EC	MUW903-EC-B-24963	10/10/07	10:20	30	2	168	Primary branch 5.5 ft above ground, northwest orientation.
W904	EC2	MUW904-EC2-B-19563	7/24/07	14:40	10	2	15	Primary branch 6 in. above ground, northeast orientation. Approximately 20 ft tall.
W904	EC2	MUW904-EC2-B-24964	10/10/07	10:30	113	27	137	Secondary branch 4.5 ft above ground, west orientation. Sample collected 1 ft from trunk.
W905	EC1	MUW905-EC1-B-19564	7/24/07	14:45	10	1	137	Primary branch 54 in. above ground, north orientation. Approximately 20 ft tall.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected in April, July, August, and October (cont.)								
W905	EC1	MUW905-EC1-B-24965	10/10/07	10:35	13	5	107	Tertiary branch 3.5 ft above ground, southeast orientation. Sample collected 2 ft from trunk, 1 in. from secondary branch.
W906	EC2	MUW906-EC2-B-19565	7/24/07	14:46	115	8	102	Primary branch 40 in. above ground, northeast orientation. Approximately 20 ft tall.
W906	EC2	MUW906-EC2-B-24966	10/10/07	10:40	174	25	122	Primary branch 4 ft above ground, west orientation.
W907	EC2	MUW907-EC2-B-19566	7/24/07	14:50	141	3	15	Primary branch 6 in. above ground, east orientation.
W907	EC2	MUW907-EC2-B-24967	10/10/07	10:45	71	4	25	Sucker at base of tree. Sample collected 10 in. above ground, northwest orientation.
W908	EC1	MUW908-EC1-B-19469	7/23/07	15:17	204	7	15	Primary branch sampled 6 in. above ground, west orientation.
W908	EC1	MUW908-EC1-B-24968	10/10/07	10:50	ND	1	61	Primary branch 2 ft above ground, east orientation.
W909 ^e	EC1	MUW909-EC1-B-24969	10/10/07	10:51	19	11	8	Sucker at base of tree. Sample collected 3 in. above ground, northwest orientation. Only tree at this location.
W910	EC2	MUW910-EC2-B-19567	7/24/07	14:55	ND	ND	10	Primary branch 4 in. above ground, north orientation. Approximately 10 ft tall, shorter than others nearby.
W910	EC2	MUW910-EC2-B-24970	10/10/07	10:57	ND	ND	3	Sucker at base of tree. Sample collected 1 in. above ground, north orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected from pre-existing trees in April 2007 and July 2007; Bruttig-3 and School-1 trees resampled in October 2007								
PREW001	Willow	MUPREW001-B-22813	4/4/07	15:15	ND	ND	259	Primary branch, 8-9 ft above ground. Northwest insertion orientation. Willow near W112, closest to creek.
PREW001	Willow	MUPREW001-B-19537	7/24/07	11:10	92	54	198	Willow, larger of 2. Previous ribbon not found; new ribbon placed. New sucker sampled 78 in. above ground, east orientation.
PREW002	Mulberry	MUPREW002-B-19538	7/24/07	11:15	7	4	213	Mulberry well into creek bed, no ribbon found. Secondary branch, 30 in. off trunk, sampled 84 in. above ground, east orientation.
PREW003	Willow	MUPREW003-B-22814	4/4/07	15:20	ND	ND	183	Branch 6 ft above ground. Tree sampled was not the original willow sampled previously. Sampled tree immediately south of original tree.
PREW003	Willow	MUPREW003-B-19539	7/24/07	11:05	ND	ND	91	Ash next to W121. Previous ribbon found. Secondary branch, 72 in. from trunk, sampled 36 in. above ground, west orientation.
PREW004	Ash	MUPREW004-B-22831	4/5/07	9:40	ND	ND	137	Secondary branch, 4.5 ft above ground. West insertion orientation.
PREW004	Ash	MUPREW004-B-19540	7/24/07	11:00	< 1	ND	198	Large locust east of W132 (the northernmost of 2). Secondary branch 36 in. from trunk sampled 78 in. above ground, west orientation.
PREW005	Locust	MUPREW005-B-19541	7/24/07	10:50	< 1	ND	183	Locust near W138. Old ribbon found. Tertiary branch sampled 72 in. above ground, west orientation.
PREW006	Cottonwood	MUPREW006-B-22832	4/5/07	9:45	ND	ND	274	Secondary branch, 9 ft above ground. West insertion orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected from pre-existing trees in April 2007 and July 2007; Bruttig-3 and School-1 trees resampled in October 2007 (cont.)								
PREW006	Cottonwood	MUPREW006-B-19542	7/24/07	10:45	< 1	1	122	Large cottonwood near bench looking at wetland. Tertiary branch sampled 48 in. above ground, southwest orientation.
PREW007	Willow	MUPREW007-B-19534	7/24/07	10:30	ND	ND	91	Large willow leaning at angle towards north immediately south of air sampling location #3. Sucker sampled 36 in. above ground, west orientation.
PRE010	Locust	MUPREE010-B-19545	7/24/07	12:10	< 1	< 1	183	Locust immediately west of E112 near air sampler. Secondary branch 30 in. from trunk sampled 72 in. above ground, south orientation.
PRE011	Elm	MUPREE011-B-19546	7/24/07	12:30	ND	ND	198	Elm next to locust 19545, near (west) of E113. Primary branch sampled 78 in. above ground, east orientation.
PREE008	Mulberry	MUPREE008-B-19543	7/24/07	12:40	ND	ND	183	Mulberry near E130 (E130 is dead), old ribbon found, added new one. Primary branch sampled 72 in. above ground, south orientation.
PREE009	Willow	MUPREE009-B-22815	4/4/07	15:05	ND	ND	122	Secondary branch, 4 ft above ground. ID marker not found, replaced. First large willow near E103 on east side of creek.
PREE009	Willow	MUPRE009-B-19544	7/24/07	11:25	214	58	61	Preexisting willow next to E102, first willow north of weather station. Secondary branch 36 in. from trunk sampled 24 in. above ground, east orientation. Difficult to sample.
PREWET1	Locust	MUPREWET1-B-19535	7/24/07	10:31	ND	ND	183	Locust tree immediately south of air sampling location at wetland. Primary branch sampled 72 i.n above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Branch samples collected from pre-existing trees in April 2007 and July 2007; Bruttig-3 and School-1 trees resampled in October 2007 (cont.)								
Bruttig-1	Ash?	MUBRUTTIG1-B-22811	4/4/07	13:45	ND	ND	183	Branch 6 ft above ground. Southwest insertion orientation. (Note: Bruttig-2 has no low branches that can be sampled.)
Bruttig-3	Ash	MUBRUTTIG3-B-22812	4/4/07	13:50	ND	ND	183	Branch 6 ft above ground. South insertion orientation.
Bruttig-3	Ash	MUBRUTTIG-ASH3-B-19547	7/24/07	13:05	< 1	ND	152	Bruttig ash #3, near farm field, east of house. Secondary branch sampled 60 in. above ground, east orientation.
Bruttig-3	Ash	MUBRUTTIG3-B-25021	10/10/07	14:45	ND	ND	183	Primary branch 6 ft above ground, west orientation. Leaves still on tree.
School-1	Ash	MUSCHOOL1-B-22810	4/4/07	13:40	ND	ND	244	Branch 8 ft above ground. Northeast insertion orientation.
School-1	Ash	MUSCHOOL-ASH1-B-19549	7/24/07	13:00	ND	ND		Ash immediately south of gravel road. Sucker sampled at ground level, north orientation.
School-1	Ash	MUSCHOOL1-B-25020	10/10/07	14:40	ND	ND	213	Primary branch 7 ft above ground, west orientation. Leaves still on tree.
Leaf samples collected in July 2007								
E112	WN2	MUE112-WN2-L-19477	7/23/07	15:56	ND	1		Leaf from 19474.
E113	WN1	MUE113-WN1-L-19478	7/23/07	16:02	ND	2		Leaf from 19475.
W109	WN1	MUW109-WN1-L-19393	7/23/07	10:43	ND	1	25	Leaf from 19392.
W109	WN2	MUW109-WN2-L-19391	7/23/07	10:41	ND	< 1		Leaf from 19390.
W110	WN1	MUW110-WN1-L-19395	7/23/07	10:46	ND	1	91	Leaf from 19394.
W111	WN1	MUW111-WN1-L-19397	7/23/07	10:51	ND	1	76	Leaf from 19396.
W111	WN2	MUW111-WN2-L-19399	7/23/07	10:53	ND	< 1	15	Leaf from 19398.
W308	EC	MUW308-EC-L-19533	7/24/07	11:30	ND	1	91	Primary branch (different from previously sampled) sampled 36 in. above ground, east orientation.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Leaf samples collected in July 2007 (cont.)								
W505	EC1	MUW505-EC1-L-19448	7/23/07	14:03	132	126		Leaf from 19446.
W505	EC2	MUW505-EC2-L-19447	7/23/07	14:02	ND	< 1		Leaf from 19439.
PREWET1		MUPREWET1-L-19536	7/24/07	10:32	ND	ND	183	Leaf from 19535.
Grass samples collected in July 2007; location Grass-13 resampled in October 2007								
Grass-01		MUGRASS1-V-19550	7/24/07	13:20	< 1	8		Grass underneath tree location W118.
Grass-02		MUGRASS2-V-19551	7/24/07	13:25	ND	ND		Grass at base of W320.
Grass-03		MUGRASS3-V-19552	7/24/07	13:30	ND	ND		Grass 2 ft south of W120.
Grass-04		MUGRASS4-V-19553	7/24/07	13:35	ND	ND		Grass 5 ft north of W643.
Grass-05		MUGRASS5-V-19554	7/24/07	13:40	ND	ND		Grass 1 ft north of W744.
Grass-06 ^f		MUGRASS6-V-19585	7/25/07	10:00	ND	ND		Grass at outfall of tile drain 5. Location staked and marked with pink ribbon.
Grass-07 ^f		MUGRASS7-V-19586	7/25/07	10:40	ND	ND		Bulrush at approximately the same location as 2006 sampling.
Grass-08 ^f		MUGRASS8-V-19587	7/25/07	10:41	ND	ND		Cattail close to V-19587 in standing water.
Grass-09 ^f		MUGRASS9-V-19597	7/25/07	11:10	< 1	ND		Bulrush at 2006 location north of wetland outfall, right at north edge of riprap. Staked and marked.
Grass-10		MUGRASS10-V-19555	7/24/07	13:45	ND	ND		Grass at piezometer W109.
Grass-11		MUGRASS11-V-19556	7/24/07	13:50	ND	ND		Grass south of W109.
Grass-12		MUGRASS12-V-19557	7/24/07	14:00	16	2		Grass 2 ft east of piezometer W505.
Grass-13		MUGRASS13-V-19558	7/24/07	14:01	902	14		Grass 6 ft east of W505-EC2.
Grass-13		MUGRASS13-25019	10/10/07	14:35	ND	ND		Switchgrass, low-growing and mostly drying up.
Grass-14 ^f		MUGRASS14-V-19589	7/25/07	10:01	ND	ND		Cottonwood, young sapling, growing near 19585 close to water's edge. Approximately 3 ft, at outfall of tile drain 5. Sampled at ground level.
Grass-15 ^f		MUGRASS15-V-19590	7/25/07	10:15	ND	ND		Grass at edge of wetland, half way on east side of south wetland cell. Staked at marked.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Grass samples collected in July 2007; location Grass-13 resampled in October 2007 (cont.)								
Grass-16 ^f		MUGRASS16-V-19591	7/25/07	10:16	ND	ND		Same location as 19590. Patted dry with towel. Lemna sample.
Grass-17 ^f		MUGRASS17-V-19592	7/25/07	10:30	ND	ND		Cattail growing at water edge on south cell toward partition with north cell, on east side, between grass #16 and #7. Staked and marked.
Grass-18 ^f		MUGRASS18-V-19593	7/25/07	10:42	ND	ND		Bulrush 1/3 of way on east side of north wetland. Staked and marked.
Grass-19 ^f		MUGRASS19-V-19594	7/25/07	10:45	ND	ND		Bulrush at right angle to east side of north wetland, as water turns toward the outfall.
Grass-20 ^f		MUGRASS20-V-19595	7/25/07	10:50	ND	ND		At east side of north wetland, approximately 16 ft south of concrete wall in riprap.
Grass-21 ^f		MUGRASS21-V-19596	7/25/07	11:00	ND	ND		Small willow growing near 19596 at wetland. Staked and marked.
Grass-22 ^f		MUGRASS22-V-19598	7/25/07	11:11	ND	ND		Same location as 19597, halfway between end of riprap and concrete wall. Staked and marked.
Grass-23 ^f		MUGRASS23B-V-19599	7/25/07	11:20	ND	ND		Young willow growing near water edge on west side of north wetland approximately 20 ft north of concrete wall in riprap. Staked and marked.
Grass-24 ^f		MUGRASS24-V-19600	7/25/07	11:21	ND	ND		Bulrush growing at same location as willow at 19599. Staked and marked.
Grass-25 ^f		MUGRASS25-V-19601	7/25/07	11:30	ND	ND		Arrowhead growing in water at south edge of south wetland between TD5 and riprap on west side.
Grass-26 ^f		MUGRASS26-V-19602	7/25/07	11:31	ND	ND		Cattail on south edge of south wetland cell between 19601 and riprap on west side. Staked and marked.

TABLE B.1 (Cont.)

Location	Species ^a	Sample	Date	Time	Concentration (µg/kg)		Height ^b (cm)	Sample Description
					Carbon Tetrachloride	Chloroform		
Grass samples collected in July 2007; location Grass-13 resampled in October 2007 (cont.)								
Grass-27 ^f		MUGRASS27-V-19603	7/25/07	11:35	ND	ND		Cattail on south edge of south wetland cell between 19601 and TD5 in water.
Grass-28		MUGRASS28-V-19604	7/25/07	11:40	< 1	ND		Collected at SWM2 approx 10 ft south of stake. Location staked and marked with pink ribbon.

^a Tree species: EC, eastern cottonwood; GA, green ash; HP, hybrid poplar; NC, northern catalpa; WN, Niobe willow. Numerals 1 and 2 distinguish two trees of the same species at a single location.

^b Sample height is measured from the branch insertion point to ground level.

^c ND, contaminant not detected at reporting limits of 0.1 µg/kg for carbon tetrachloride and 0.75 µg/kg for chloroform.

^d < 1, concentration below the method quantitation limit of 1.0 µg/kg.

^e Location not sampled previously.

^f Wetlands area.

Supplement 1:

Water Level Data for 2007

Supplement 1: Water Level Data for 2007

This supplement contains water level data recorded automatically during 2007 in the 16 monitoring wells identified in Figure 2.3. The data are presented as follows:

- Table S.1: Rainfall data from the on-site weather station
- Table S.2: Water level data for upgradient wells
- Table S.3: Water level data for headwaters area wells
- Table S.4: Water level data for downgradient wells
- Table S.5: Water level measurements at the wetlands outfall and calculated discharge flow rates

Section 3.3 contains a discussion of the V-notch and R-notch weirs installed at the wetlands outfall to enable collection of the data needed to calculate discharge flow rates from the wetlands. The flow rates presented in Table S.5 were calculated as discussed below.

S1.1 Calculation of Discharge Flow Rates

S1.1.1 Flow Rates for V-Notch Weir

The discharge flow rates for the V-notch weir were calculated by use of the Kindsvater-Shen relationship (USBR 1997), written as follows (LMNO 2008):

$$Q = 4.28 C \tan(\theta/2) (h + k)^{5/2}$$

Here:

$$Q = \text{discharge rate (ft}^3\text{/s)}$$

$$C = \text{discharge coefficient} = 5.89\text{E-}01$$

$$\theta = \text{measured notch angle} = 25 \text{ deg}$$

$$h = \text{measured head (ft)}$$

$$k = \text{head correction factor} = 7.90\text{E-}03 \text{ ft}$$

Numerical values for coefficients C and k were determined by interpolation of values given by LMNO (2008).

S1.1.2 Flow Rates for R-Notch Weir

The discharge flow rates for the R-notch weir were calculated by use of the Kindsvater-Carter relationship (USBR 1997; Ackers et al. 1978), written as follows:

$$Q = C_d \times g^{1/2} \times (b + K_b) \times (h + K_h)^{3/2}$$

Here:

$$Q = \text{discharge rate (m}^3\text{/s)}$$

$$C_d = \text{discharge coefficient} = C_1 \times (1 + C_2 \times h/P)$$

$$C_1 = 0.556$$

$$C_2 = 0.003$$

$$g = \text{acceleration due to gravity} = 9.8006 \text{ m/s}^2$$

$$h = \text{measured head (m)}$$

$$P = \text{measured notch height above bottom of channel} = 0.761963 \text{ m (2.5 ft)}$$

$$b = \text{measured notch width} = 1.523926 \text{ m (5 ft)}$$

$$B = \text{measured channel width} = 5.486132 \text{ m (18 ft)}$$

K_b = viscosity correction factor = 0.0025 m

K_h = tension correction factor = 0.001 m

In lieu of a calibration based on field data, numerical values for C_1 (0.556) and C_2 (0.003) were assigned by interpolation of data given by Ackers et al. (1978). Values of K_b and K_h were assigned similarly. The values of C_1 , and C_2 , and K_b depend on b/B (which is 0.277778 for the R-notch weir at Murdock).

S1.2 References

Ackers, W.R., J.A. Perkins, and A.J.M. Harrison, 1978, *Weirs and Flumes for Flow Measurement*, John Wiley and Sons, New York.

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TABLE S1.1 Rainfall data collected by the on-site weather station in 2007 (values used to plot rainfall in figures).

Date	Time	Rain (in.)
1/1/07	12:00	0
1/1/07	14:00	0.13
1/1/07	16:00	0.05
1/1/07	18:00	0
1/2/07	12:00	0
1/2/07	14:00	0.07
1/2/07	16:00	0.06
1/2/07	18:00	0
1/3/07	10:00	0
1/3/07	12:00	0.09
1/3/07	14:00	0.06
1/3/07	16:00	0.01
1/3/07	18:00	0
1/6/07	10:00	0
1/6/07	12:00	0.01
1/6/07	14:00	0
1/16/07	12:00	0
1/16/07	14:00	0.01
1/16/07	16:00	0.02
1/16/07	18:00	0
1/18/07	14:00	0
1/18/07	16:00	0.01
1/18/07	18:00	0
1/19/07	14:00	0
1/19/07	16:00	0.02
1/19/07	18:00	0.01
1/19/07	20:00	0
1/21/07	12:00	0
1/21/07	14:00	0.04
1/21/07	16:00	0.03
1/21/07	18:00	0.01
1/21/07	20:00	0
1/23/07	10:00	0
1/23/07	12:00	0.01
1/23/07	14:00	0.02
1/23/07	16:00	0.04
1/23/07	18:00	0
1/24/07	8:00	0
1/24/07	10:00	0.01
1/24/07	12:00	0.01
1/24/07	14:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
2/8/07	12:00	0
2/8/07	14:00	0.01
2/8/07	16:00	0
2/10/07	14:00	0
2/10/07	16:00	0.01
2/10/07	18:00	0
2/11/07	12:00	0
2/11/07	14:00	0.03
2/11/07	16:00	0.01
2/11/07	18:00	0
2/12/07	0:00	0
2/12/07	2:00	0.01
2/12/07	4:00	0
2/12/07	14:00	0
2/12/07	16:00	0.01
2/12/07	18:00	0
2/16/07	16:00	0
2/16/07	18:00	0.01
2/16/07	20:00	0
2/17/07	12:00	0
2/17/07	14:00	0.01
2/17/07	16:00	0
2/20/07	2:00	0
2/20/07	4:00	0.02
2/20/07	6:00	0.02
2/20/07	8:00	0
2/24/07	2:00	0
2/24/07	4:00	0.05
2/24/07	6:00	0
2/24/07	8:00	0.09
2/24/07	10:00	0.01
2/24/07	12:00	0
2/24/07	14:00	0.03
2/24/07	16:00	0.01
2/24/07	18:00	0.06
2/24/07	20:00	0
2/24/07	22:00	0
2/25/07	0:00	0.01
2/25/07	2:00	0
2/25/07	10:00	0
2/25/07	12:00	0.01
2/25/07	14:00	0.07
2/25/07	16:00	0.03
2/25/07	18:00	0.01
2/25/07	20:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
2/26/07	10:00	0
2/26/07	12:00	0.06
2/26/07	14:00	0.09
2/26/07	16:00	0.1
2/26/07	18:00	0.02
2/26/07	20:00	0
2/27/07	8:00	0
2/27/07	10:00	0.01
2/27/07	12:00	0.04
2/27/07	14:00	0.08
2/27/07	16:00	0.02
2/27/07	18:00	0
2/28/07	4:00	0
2/28/07	6:00	0.01
2/28/07	8:00	0
3/1/07	12:00	0
3/1/07	14:00	0.01
3/1/07	16:00	0.06
3/1/07	18:00	0.01
3/1/07	20:00	0
3/2/07	12:00	0
3/2/07	14:00	0.01
3/2/07	16:00	0
3/3/07	12:00	0
3/3/07	14:00	0.01
3/3/07	16:00	0
3/4/07	10:00	0
3/4/07	12:00	0.01
3/4/07	14:00	0.05
3/4/07	16:00	0
3/9/07	2:00	0
3/9/07	4:00	0.02
3/9/07	6:00	0.02
3/9/07	8:00	0.03
3/9/07	10:00	0
3/20/07	10:00	0
3/20/07	12:00	0.02
3/20/07	14:00	0
3/21/07	2:00	0
3/21/07	4:00	0.01
3/21/07	6:00	0
3/21/07	18:00	0
3/21/07	20:00	0.14
3/21/07	22:00	0
3/24/07	6:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
3/24/07	8:00	0.31
3/24/07	10:00	0.06
3/24/07	12:00	0
3/24/07	20:00	0
3/24/07	22:00	0.01
3/25/07	0:00	0
3/26/07	6:00	0
3/26/07	8:00	0.01
3/26/07	10:00	0
3/27/07	10:00	0
3/27/07	12:00	0.02
3/27/07	14:00	0
3/27/07	18:00	0
3/27/07	20:00	0.38
3/27/07	22:00	0.01
3/28/07	0:00	0
3/29/07	6:00	0
3/29/07	8:00	0.01
3/29/07	10:00	0
3/29/07	12:00	0.01
3/29/07	14:00	0.18
3/29/07	16:00	0
3/30/07	2:00	0
3/30/07	4:00	0.02
3/30/07	6:00	0.06
3/30/07	8:00	0
3/30/07	22:00	0
3/31/07	0:00	0.72
3/31/07	2:00	0.4
3/31/07	4:00	0.09
3/31/07	6:00	0.16
3/31/07	8:00	0.03
3/31/07	10:00	0
3/31/07	12:00	0.01
3/31/07	14:00	0.34
3/31/07	16:00	0.4
3/31/07	18:00	0.01
3/31/07	20:00	0
3/31/07	22:00	0
4/1/07	0:00	0.01
4/1/07	2:00	0
4/1/07	8:00	0
4/1/07	10:00	0.01
4/1/07	12:00	0
4/3/07	0:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
4/3/07	2:00	0.01
4/3/07	4:00	0
4/10/07	10:00	0
4/10/07	12:00	0.01
4/10/07	14:00	0.17
4/10/07	16:00	0.08
4/10/07	18:00	0.15
4/10/07	20:00	0.03
4/10/07	22:00	0.05
4/11/07	0:00	0.04
4/11/07	2:00	0.06
4/11/07	4:00	0.02
4/11/07	6:00	0.02
4/11/07	8:00	0.01
4/11/07	10:00	0.01
4/11/07	12:00	0
4/11/07	14:00	0
4/11/07	16:00	0.01
4/11/07	18:00	0
4/22/07	6:00	0
4/22/07	8:00	0.01
4/22/07	10:00	0.23
4/22/07	12:00	0.01
4/22/07	14:00	0
4/22/07	16:00	0.02
4/22/07	18:00	0
4/23/07	22:00	0
4/24/07	0:00	0.01
4/24/07	2:00	0.01
4/24/07	4:00	0.01
4/24/07	6:00	0.2
4/24/07	8:00	0.19
4/24/07	10:00	0.05
4/24/07	12:00	0.71
4/24/07	14:00	0.02
4/24/07	16:00	0.21
4/24/07	18:00	0.3
4/24/07	20:00	0.12
4/24/07	22:00	0
4/25/07	0:00	0.02
4/25/07	2:00	0.21
4/25/07	4:00	0
4/25/07	10:00	0
4/25/07	12:00	0.01
4/25/07	14:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
4/26/07	10:00	0
4/26/07	12:00	0.01
4/26/07	14:00	0
4/27/07	12:00	0
4/27/07	14:00	0.02
4/27/07	16:00	0
5/3/07	12:00	0
5/3/07	14:00	0.02
5/3/07	16:00	0
5/3/07	18:00	0.05
5/3/07	20:00	0.02
5/3/07	22:00	0
5/4/07	0:00	0.01
5/4/07	2:00	0.01
5/4/07	4:00	0.35
5/4/07	6:00	0.1
5/4/07	8:00	0
5/5/07	4:00	0
5/5/07	6:00	0.05
5/5/07	8:00	0.26
5/5/07	10:00	0.08
5/5/07	12:00	0
5/6/07	0:00	0
5/6/07	2:00	0.33
5/6/07	4:00	0.84
5/6/07	6:00	0.28
5/6/07	8:00	0.07
5/6/07	10:00	0.02
5/6/07	12:00	0
5/6/07	14:00	0
5/6/07	16:00	0.06
5/6/07	18:00	0
5/6/07	20:00	0
5/6/07	22:00	0.1
5/7/07	0:00	0.73
5/7/07	2:00	0.01
5/7/07	4:00	0.05
5/7/07	6:00	0.04
5/7/07	8:00	0
5/8/07	4:00	0
5/8/07	6:00	0.01
5/8/07	8:00	0
5/14/07	20:00	0
5/14/07	22:00	0.24
5/15/07	0:00	0.26

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
5/15/07	2:00	0.25
5/15/07	4:00	0.14
5/15/07	6:00	0.06
5/15/07	8:00	0.01
5/15/07	10:00	0
5/22/07	8:00	0
5/22/07	10:00	0.01
5/22/07	12:00	0
5/23/07	16:00	0
5/23/07	18:00	0.12
5/23/07	20:00	0.21
5/23/07	22:00	0.1
5/24/07	0:00	0.06
5/24/07	2:00	0.15
5/24/07	4:00	0.5
5/24/07	6:00	0.29
5/24/07	8:00	0.14
5/24/07	10:00	0.07
5/24/07	12:00	0
5/26/07	6:00	0
5/26/07	8:00	0.3
5/26/07	10:00	0
5/29/07	16:00	0
5/29/07	18:00	0.08
5/29/07	20:00	0.01
5/29/07	22:00	0
5/30/07	8:00	0
5/30/07	10:00	0.11
5/30/07	12:00	0.01
5/30/07	14:00	0
5/31/07	16:00	0
5/31/07	18:00	0.1
5/31/07	20:00	0.32
5/31/07	22:00	0.28
6/1/07	0:00	0.07
6/1/07	2:00	0
6/1/07	16:00	0
6/1/07	18:00	0.01
6/1/07	20:00	0
6/2/07	14:00	0
6/2/07	16:00	0.08
6/2/07	18:00	0.01
6/2/07	20:00	0.3
6/2/07	22:00	0
6/3/07	6:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
6/3/07	8:00	0.01
6/3/07	10:00	0
6/3/07	16:00	0
6/3/07	18:00	0.12
6/3/07	20:00	0
6/4/07	18:00	0
6/4/07	20:00	0.09
6/4/07	22:00	0
6/5/07	2:00	0
6/5/07	4:00	0.01
6/5/07	6:00	0
6/13/07	10:00	0
6/13/07	12:00	0.39
6/13/07	14:00	0.48
6/13/07	16:00	0.22
6/13/07	18:00	0.05
6/13/07	20:00	0
6/13/07	22:00	0
6/14/07	0:00	0.01
6/14/07	2:00	0.01
6/14/07	4:00	0
6/14/07	6:00	0
6/14/07	8:00	0.01
6/14/07	10:00	0
6/22/07	20:00	0
6/22/07	22:00	0.05
6/23/07	0:00	0
6/24/07	6:00	0
6/24/07	8:00	0.01
6/24/07	10:00	0
7/9/07	2:00	0
7/9/07	4:00	0.04
7/9/07	6:00	0.15
7/9/07	8:00	0
7/12/07	16:00	0
7/12/07	18:00	0.03
7/12/07	20:00	0
7/19/07	2:00	0
7/19/07	4:00	0.07
7/19/07	6:00	0.92
7/19/07	8:00	0.04
7/19/07	10:00	0.01
7/19/07	12:00	0
7/27/07	2:00	0
7/27/07	4:00	0.1

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
7/27/07	6:00	0.04
7/27/07	8:00	0
7/28/07	22:00	0
7/29/07	0:00	0.03
7/29/07	2:00	0.07
7/29/07	4:00	0
7/29/07	6:00	0.01
7/29/07	8:00	0.04
7/29/07	10:00	0.06
7/29/07	12:00	0.02
7/29/07	14:00	0
8/1/07	18:00	0
8/1/07	20:00	0.03
8/1/07	22:00	0.01
8/2/07	0:00	0
8/3/07	22:00	0
8/4/07	0:00	0.01
8/4/07	2:00	0
8/6/07	10:00	0
8/6/07	12:00	0.24
8/6/07	14:00	0.15
8/6/07	16:00	0
8/7/07	4:00	0
8/7/07	6:00	0.39
8/7/07	8:00	0
8/7/07	16:00	0
8/7/07	18:00	0.01
8/7/07	20:00	0
8/8/07	0:00	0
8/8/07	2:00	0.23
8/8/07	4:00	0.02
8/8/07	6:00	0
8/8/07	8:00	0.01
8/8/07	10:00	0.82
8/8/07	12:00	0.58
8/8/07	14:00	0
8/8/07	18:00	0
8/8/07	20:00	0.02
8/8/07	22:00	0
8/10/07	0:00	0
8/10/07	2:00	1.15
8/10/07	4:00	0.05
8/10/07	6:00	0
8/12/07	16:00	0
8/12/07	18:00	0.65

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
8/12/07	20:00	0.06
8/12/07	22:00	0.01
8/13/07	0:00	0
8/16/07	4:00	0
8/16/07	6:00	0.04
8/16/07	8:00	0.12
8/16/07	10:00	0.06
8/16/07	12:00	0
8/17/07	18:00	0
8/17/07	20:00	0.04
8/17/07	22:00	0
8/19/07	16:00	0
8/19/07	18:00	0.01
8/19/07	20:00	0
8/20/07	18:00	0
8/20/07	20:00	0.49
8/20/07	22:00	0.06
8/21/07	0:00	0
8/21/07	2:00	0
8/21/07	4:00	0.01
8/21/07	6:00	0
8/22/07	18:00	0
8/22/07	20:00	0.13
8/22/07	22:00	0.1
8/23/07	0:00	0.38
8/23/07	2:00	0.01
8/23/07	4:00	0
8/23/07	8:00	0
8/23/07	10:00	0.01
8/23/07	12:00	0
8/23/07	18:00	0
8/23/07	20:00	0.19
8/23/07	22:00	0
8/24/07	0:00	0.53
8/24/07	2:00	0
8/24/07	4:00	0.01
8/24/07	6:00	0
8/25/07	6:00	0
8/25/07	8:00	0.01
8/25/07	10:00	0
8/28/07	18:00	0
8/28/07	20:00	0.4
8/28/07	22:00	0.31
8/29/07	0:00	0.42
8/29/07	2:00	0.19

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
8/29/07	4:00	0
8/29/07	12:00	0
8/29/07	14:00	0.01
8/29/07	16:00	0
9/1/07	6:00	0
9/1/07	8:00	0.01
9/1/07	10:00	0
9/6/07	20:00	0
9/6/07	22:00	0.59
9/7/07	0:00	0
9/8/07	4:00	0
9/8/07	6:00	0.01
9/8/07	8:00	0
9/10/07	0:00	0
9/10/07	2:00	0.01
9/10/07	4:00	0
9/10/07	8:00	0
9/10/07	10:00	0.04
9/10/07	12:00	0.09
9/10/07	14:00	0.03
9/10/07	16:00	0.03
9/10/07	18:00	0
9/16/07	8:00	0
9/16/07	10:00	0.01
9/16/07	12:00	0
9/18/07	0:00	0
9/18/07	2:00	0.05
9/18/07	4:00	0.08
9/18/07	6:00	0.13
9/18/07	8:00	0.42
9/18/07	10:00	0.02
9/18/07	12:00	0.01
9/18/07	14:00	0.17
9/18/07	16:00	0
9/18/07	18:00	0
9/18/07	20:00	0.6
9/18/07	22:00	0.06
9/19/07	0:00	0
9/20/07	4:00	0
9/20/07	6:00	0.01
9/20/07	8:00	0
9/24/07	20:00	0
9/24/07	22:00	0.41
9/25/07	0:00	0.16
9/25/07	2:00	0.27

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
9/25/07	4:00	0.02
9/25/07	6:00	0.01
9/25/07	8:00	0
10/2/07	6:00	0
10/2/07	8:00	0.33
10/2/07	10:00	0.36
10/2/07	12:00	0.01
10/2/07	14:00	0
10/5/07	0:00	0
10/5/07	2:00	0.05
10/5/07	4:00	0.17
10/5/07	6:00	0.13
10/5/07	8:00	0
10/7/07	22:00	0
10/8/07	0:00	0.32
10/8/07	2:00	0.57
10/8/07	4:00	0.03
10/8/07	6:00	0.02
10/8/07	8:00	0
10/12/07	20:00	0
10/12/07	22:00	0.53
10/13/07	0:00	0
10/13/07	2:00	0.09
10/13/07	4:00	0.06
10/13/07	6:00	0.13
10/13/07	8:00	0
10/13/07	18:00	0
10/13/07	20:00	0.01
10/13/07	22:00	0
10/14/07	2:00	0
10/14/07	4:00	0.17
10/14/07	6:00	0.01
10/14/07	8:00	0.07
10/14/07	10:00	0.03
10/14/07	12:00	0
10/14/07	14:00	0.08
10/14/07	16:00	0.1
10/14/07	18:00	0.16
10/14/07	20:00	0.1
10/14/07	22:00	0.27
10/15/07	0:00	0.03
10/15/07	2:00	0.08
10/15/07	4:00	0
10/15/07	6:00	0.03
10/15/07	8:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
10/15/07	14:00	0
10/15/07	16:00	0.01
10/15/07	18:00	0
10/15/07	22:00	0
10/16/07	0:00	0.09
10/16/07	2:00	0
10/17/07	8:00	0
10/17/07	10:00	0.26
10/17/07	12:00	0.02
10/17/07	14:00	0.12
10/17/07	16:00	0.12
10/17/07	18:00	0
10/18/07	0:00	0
10/18/07	2:00	0.01
10/18/07	4:00	0
10/18/07	6:00	0
10/18/07	8:00	0.01
10/18/07	10:00	0.01
10/18/07	12:00	0.01
10/18/07	14:00	0.02
10/18/07	16:00	0.01
10/18/07	18:00	0
10/18/07	20:00	0.02
10/18/07	22:00	0.01
10/19/07	0:00	0
11/25/07	12:00	0
11/25/07	14:00	0.01
11/25/07	16:00	0
12/1/07	12:00	0
12/1/07	14:00	0.01
12/1/07	16:00	0.01
12/1/07	18:00	0.01
12/1/07	20:00	0
12/3/07	16:00	0
12/3/07	18:00	0.01
12/3/07	20:00	0
12/6/07	14:00	0
12/6/07	16:00	0.01
12/6/07	18:00	0
12/7/07	12:00	0
12/7/07	14:00	0.04
12/7/07	16:00	0.02
12/7/07	18:00	0.01
12/7/07	20:00	0
12/12/07	12:00	0

TABLE S1.1 (Cont.)

Date	Time	Rain (in.)
12/12/07	14:00	0.02
12/12/07	16:00	0.06
12/12/07	18:00	0.01
12/12/07	20:00	0
12/13/07	12:00	0
12/13/07	14:00	0.03
12/13/07	16:00	0.11
12/13/07	18:00	0.01
12/13/07	20:00	0
12/18/07	12:00	0
12/18/07	14:00	0.01
12/18/07	16:00	0.05
12/18/07	18:00	0.01
12/18/07	20:00	0
12/19/07	12:00	0
12/19/07	14:00	0.07
12/19/07	16:00	0.06
12/19/07	18:00	0
12/20/07	12:00	0
12/20/07	14:00	0.01
12/20/07	16:00	0.04
12/20/07	18:00	0
12/21/07	10:00	0
12/21/07	12:00	0.01
12/21/07	14:00	0.04
12/21/07	16:00	0
12/24/07	16:00	0
12/24/07	18:00	0.01
12/24/07	20:00	0

TABLE S1.2 Automatically measured
water levels in upgradient wells in 2007.

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/1/07	0:00	41.167	51.269	25.402
1/1/07	4:00	41.228	51.318	25.416
1/1/07	8:00	41.289	51.37	25.449
1/1/07	12:00	41.333	51.367	25.423
1/1/07	16:00	41.326	51.351	25.419
1/1/07	20:00	41.319	51.332	25.407
1/2/07	0:00	41.289	51.299	25.381
1/2/07	4:00	41.258	51.273	25.362
1/2/07	8:00	41.226	51.252	25.346
1/2/07	12:00	41.16	51.177	25.29
1/2/07	16:00	41.091	51.142	25.281
1/2/07	20:00	41.067	51.128	25.267
1/3/07	0:00	41.037	51.112	25.248
1/3/07	4:00	41.004	51.086	25.238
1/3/07	8:00	40.976	51.072	25.236
1/3/07	12:00	40.918	50.999	25.178
1/3/07	16:00	40.881	51.004	25.192
1/3/07	20:00	40.855	50.964	25.166
1/4/07	0:00	40.827	50.957	25.194
1/4/07	4:00	40.822	50.964	25.18
1/4/07	8:00	40.825	50.969	25.185
1/4/07	12:00	40.792	50.915	25.138
1/4/07	16:00	40.78	50.934	25.135
1/4/07	20:00	40.822	50.987	25.138
1/5/07	0:00	40.899	51.055	25.178
1/5/07	4:00	40.923	51.06	25.157
1/5/07	8:00	40.965	51.116	25.189
1/5/07	12:00	41.011	51.123	25.175
1/5/07	16:00	41.072	51.194	25.201
1/5/07	20:00	41.119	51.215	25.21
1/6/07	0:00	41.163	51.241	25.22
1/6/07	4:00	41.177	51.231	25.215
1/6/07	8:00	41.198	51.262	25.217
1/6/07	12:00	41.158	51.189	25.14
1/6/07	16:00	41.109	51.17	25.14
1/6/07	20:00	41.098	51.163	25.138
1/7/07	0:00	41.072	51.14	25.112
1/7/07	4:00	41.065	51.147	25.119
1/7/07	8:00	41.116	51.231	25.194
1/7/07	12:00	41.151	51.227	25.173
1/7/07	16:00	41.153	51.236	25.185

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/7/07	20:00	41.126	51.187	25.143
1/8/07	0:00	41.065	51.109	25.079
1/8/07	4:00	40.967	51.037	25.049
1/8/07	8:00	40.96	51.081	25.086
1/8/07	12:00	41	51.123	25.112
1/8/07	16:00	41.063	51.21	25.175
1/8/07	20:00	41.163	51.28	25.213
1/9/07	0:00	41.233	51.33	25.264
1/9/07	4:00	41.303	51.393	25.318
1/9/07	8:00	41.368	51.424	25.337
1/9/07	12:00	41.377	51.377	25.299
1/9/07	16:00	41.305	51.318	25.267
1/9/07	20:00	41.237	51.252	25.217
1/10/07	0:00	41.142	51.156	25.143
1/10/07	4:00	41.018	51.053	25.061
1/10/07	8:00	40.927	51.006	25.028
1/10/07	12:00	40.829	50.922	24.974
1/10/07	16:00	40.764	50.919	25.002
1/10/07	20:00	40.79	50.971	25.033
1/11/07	0:00	40.797	50.976	25.037
1/11/07	4:00	40.806	50.987	25.04
1/11/07	8:00	40.822	51.011	25.084
1/11/07	12:00	40.86	51.037	25.119
1/11/07	16:00	40.958	51.17	25.231
1/11/07	20:00	41.116	51.302	25.337
1/12/07	0:00	41.207	51.346	25.337
1/12/07	4:00	41.277	51.367	25.348
1/12/07	8:00	41.331	51.414	25.376
1/12/07	12:00	41.331	51.365	25.327
1/12/07	16:00	41.305	51.353	25.318
1/12/07	20:00	41.338	51.388	25.353
1/13/07	0:00	41.324	51.363	25.346
1/13/07	4:00	41.277	51.297	25.299
1/13/07	8:00	41.261	51.292	25.281
1/13/07	12:00	41.223	51.269	25.276
1/13/07	16:00	41.153	51.22	25.229
1/13/07	20:00	41.14	51.229	25.252
1/14/07	0:00	41.133	51.224	25.259
1/14/07	4:00	41.128	51.231	25.271
1/14/07	8:00	41.128	51.222	25.259
1/14/07	12:00	41.091	51.166	25.206
1/14/07	16:00	41.06	51.173	25.217

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/14/07	20:00	41.053	51.17	25.238
1/15/07	0:00	41.072	51.196	25.243
1/15/07	4:00	41.114	51.252	25.313
1/15/07	8:00	41.179	51.318	25.369
1/15/07	12:00	41.228	51.323	25.353
1/15/07	16:00	41.226	51.33	25.351
1/15/07	20:00	41.277	51.372	25.379
1/16/07	0:00	41.307	51.388	25.39
1/16/07	4:00	41.314	51.386	25.402
1/16/07	8:00	41.352	51.419	25.442
1/16/07	12:00	41.342	51.367	25.393
1/16/07	16:00	41.293	51.327	25.36
1/16/07	20:00	41.268	51.313	25.344
1/17/07	0:00	41.223	51.271	25.32
1/17/07	4:00	41.174	51.231	25.285
1/17/07	8:00	41.119	51.189	25.255
1/17/07	12:00	41.053	51.123	25.206
1/17/07	16:00	40.951	51.044	25.157
1/17/07	20:00	40.904	51.018	25.126
1/18/07	0:00	40.853	51.001	25.131
1/18/07	4:00	40.86	51.048	25.175
1/18/07	8:00	40.953	51.154	25.269
1/18/07	12:00	41.063	51.238	25.344
1/18/07	16:00	41.14	51.292	25.381
1/18/07	20:00	41.195	51.32	25.39
1/19/07	0:00	41.202	51.288	25.358
1/19/07	4:00	41.181	51.269	25.348
1/19/07	8:00	41.165	51.262	25.344
1/19/07	12:00	41.163	51.252	25.339
1/19/07	16:00	41.126	51.217	25.297
1/19/07	20:00	41.142	51.252	25.339
1/20/07	0:00	41.133	51.234	25.311
1/20/07	4:00	41.1	51.194	25.285
1/20/07	8:00	41.074	51.182	25.281
1/20/07	12:00	41.032	51.119	25.229
1/20/07	16:00	40.969	51.086	25.222
1/20/07	20:00	40.918	51.03	25.175
1/21/07	0:00	40.853	50.99	25.147
1/21/07	4:00	40.804	50.973	25.14
1/21/07	8:00	40.846	51.048	25.203
1/21/07	12:00	40.918	51.105	25.257
1/21/07	16:00	40.988	51.177	25.325

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/21/07	20:00	41.077	51.241	25.36
1/22/07	0:00	41.128	51.257	25.362
1/22/07	4:00	41.137	51.248	25.376
1/22/07	8:00	41.149	51.25	25.379
1/22/07	12:00	41.144	51.215	25.358
1/22/07	16:00	41.086	51.166	25.288
1/22/07	20:00	41.051	51.145	25.271
1/23/07	0:00	41.009	51.109	25.248
1/23/07	4:00	40.988	51.107	25.259
1/23/07	8:00	41.009	51.152	25.306
1/23/07	12:00	41.028	51.152	25.292
1/23/07	16:00	41.065	51.208	25.344
1/23/07	20:00	41.116	51.234	25.358
1/24/07	0:00	41.121	51.227	25.362
1/24/07	4:00	41.107	51.215	25.362
1/24/07	8:00	41.181	51.299	25.421
1/24/07	12:00	41.23	51.313	25.437
1/24/07	16:00	41.233	51.306	25.423
1/24/07	20:00	41.242	51.323	25.421
1/25/07	0:00	41.242	51.299	25.405
1/25/07	4:00	41.226	51.292	25.4
1/25/07	8:00	41.235	51.316	25.428
1/25/07	12:00	41.214	51.257	25.374
1/25/07	16:00	41.144	51.201	25.325
1/25/07	20:00	41.091	51.161	25.304
1/26/07	0:00	41.021	51.095	25.248
1/26/07	4:00	40.937	51.034	25.206
1/26/07	8:00	40.878	50.997	25.182
1/26/07	12:00	40.841	50.985	25.173
1/26/07	16:00	40.881	51.069	25.262
1/26/07	20:00	40.997	51.191	25.348
1/27/07	0:00	41.081	51.231	25.381
1/27/07	4:00	41.109	51.234	25.383
1/27/07	8:00	41.17	51.295	25.428
1/27/07	12:00	41.23	51.325	25.444
1/27/07	16:00	41.254	51.339	25.456
1/27/07	20:00	41.284	51.358	25.472
1/28/07	0:00	41.289	51.344	25.456
1/28/07	4:00	41.27	51.325	25.437
1/28/07	8:00	41.272	51.334	25.468
1/28/07	12:00	41.23	51.264	25.397
1/28/07	16:00	41.123	51.17	25.318

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
1/28/07	20:00	41.044	51.109	25.271
1/29/07	0:00	41.021	51.145	25.32
1/29/07	4:00	41.049	51.189	25.358
1/29/07	8:00	41.063	51.182	25.344
1/29/07	12:00	41.091	51.22	25.372
1/29/07	16:00	41.146	51.285	25.435
1/29/07	20:00	41.23	51.356	25.482
1/30/07	0:00	41.291	51.388	25.512
1/30/07	4:00	41.314	51.393	25.519
1/30/07	8:00	41.356	51.428	25.545
1/30/07	12:00	41.373	51.398	25.524
1/30/07	16:00	41.298	51.316	25.454
1/30/07	20:00	41.23	51.259	25.409
1/31/07	0:00	41.158	51.201	25.36
1/31/07	4:00	41.072	51.13	25.304
1/31/07	8:00	41.018	51.102	25.28
1/31/07	12:00	40.983	51.081	25.259
1/31/07	16:00	40.939	51.069	25.271
1/31/07	20:00	40.976	51.116	25.313
2/1/07	0:00	40.997	51.137	25.325
2/1/07	4:00	40.986	51.114	25.304
2/1/07	8:00	40.969	51.102	25.285
2/1/07	12:00	40.972	51.081	25.278
2/1/07	16:00	40.941	51.091	25.29
2/1/07	20:00	41.063	51.248	25.454
2/2/07	0:00	41.191	51.327	25.538
2/2/07	4:00	41.191	51.273	25.472
2/2/07	8:00	41.165	51.241	25.442
2/2/07	12:00	41.114	51.161	25.44
2/2/07	16:00	41.009	51.091	25.339
2/2/07	20:00	41.014	51.135	25.362
2/3/07	0:00	41.121	51.28	25.496
2/3/07	4:00	41.221	51.348	25.538
2/3/07	8:00	41.289	51.388	25.559
2/3/07	12:00	41.326	51.367	25.531
2/3/07	16:00	41.3	51.356	25.517
2/3/07	20:00	41.317	51.381	25.526
2/4/07	0:00	41.31	51.356	25.489
2/4/07	4:00	41.307	51.374	25.496
2/4/07	8:00	41.384	51.461	25.566
2/4/07	12:00	41.44	51.468	25.589
2/4/07	16:00	41.419	51.447	25.601

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/4/07	20:00	41.403	51.416	25.631
2/5/07	0:00	41.391	51.4	25.58
2/5/07	4:00	41.37	51.395	25.561
2/5/07	8:00	41.366	51.402	25.608
2/5/07	12:00	41.366	51.379	25.573
2/5/07	16:00	41.31	51.33	25.498
2/5/07	20:00	41.284	51.311	25.468
2/6/07	0:00	41.2	51.229	25.411
2/6/07	4:00	41.058	51.093	25.302
2/6/07	8:00	40.995	51.1	25.323
2/6/07	12:00	41.021	51.154	25.388
2/6/07	16:00	41.119	51.285	25.491
2/6/07	20:00	41.237	51.367	25.547
2/7/07	0:00	41.298	51.4	25.582
2/7/07	4:00	41.324	51.391	25.564
2/7/07	8:00	41.349	51.424	25.594
2/7/07	12:00	41.354	51.407	25.578
2/7/07	16:00	41.317	51.358	25.545
2/7/07	20:00	41.328	51.395	25.566
2/8/07	0:00	41.352	51.405	25.571
2/8/07	4:00	41.342	51.388	25.578
2/8/07	8:00	41.349	51.402	25.587
2/8/07	12:00	41.324	51.339	25.514
2/8/07	16:00	41.256	51.292	25.468
2/8/07	20:00	41.268	51.33	25.498
2/9/07	0:00	41.286	51.365	25.543
2/9/07	4:00	41.293	51.363	25.559
2/9/07	8:00	41.321	51.412	25.599
2/9/07	12:00	41.326	51.372	25.571
2/9/07	16:00	41.286	51.344	25.521
2/9/07	20:00	41.305	51.37	25.589
2/10/07	0:00	41.317	51.388	25.554
2/10/07	4:00	41.293	51.348	25.519
2/10/07	8:00	41.296	51.367	25.533
2/10/07	12:00	41.277	51.313	25.507
2/10/07	16:00	41.186	51.255	25.44
2/10/07	20:00	41.144	51.215	25.416
2/11/07	0:00	41.112	51.205	25.419
2/11/07	4:00	41.091	51.191	25.407
2/11/07	8:00	41.081	51.196	25.419
2/11/07	12:00	41.053	51.149	25.383
2/11/07	16:00	41.011	51.14	25.381

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/11/07	20:00	41.058	51.194	25.477
2/12/07	0:00	41.07	51.198	25.477
2/12/07	4:00	41.074	51.198	25.428
2/12/07	8:00	41.123	51.259	25.458
2/12/07	12:00	41.133	51.227	25.433
2/12/07	16:00	41.137	51.25	25.449
2/12/07	20:00	41.202	51.327	25.531
2/13/07	0:00	41.24	51.346	25.599
2/13/07	4:00	41.279	51.374	25.652
2/13/07	8:00	41.34	51.424	25.596
2/13/07	12:00	41.377	51.428	25.606
2/13/07	16:00	41.373	51.426	25.601
2/13/07	20:00	41.41	51.454	25.634
2/14/07	0:00	41.415	51.449	25.638
2/14/07	4:00	41.405	51.433	25.62
2/14/07	8:00	41.419	51.454	25.65
2/14/07	12:00	41.41	51.416	25.608
2/14/07	16:00	41.363	51.384	25.571
2/14/07	20:00	41.368	51.412	25.601
2/15/07	0:00	41.375	51.419	25.599
2/15/07	4:00	41.342	51.374	25.552
2/15/07	8:00	41.352	51.412	25.585
2/15/07	12:00	41.354	51.393	25.568
2/15/07	16:00	41.307	51.346	25.55
2/15/07	20:00	41.254	51.297	25.491
2/16/07	0:00	41.167	51.208	25.426
2/16/07	4:00	41.018	51.06	25.306
2/16/07	8:00	40.885	50.971	25.255
2/16/07	12:00	40.794	50.924	25.215
2/16/07	16:00	40.759	50.943	25.241
2/16/07	20:00	40.846	51.098	25.367
2/17/07	0:00	41.06	51.299	25.517
2/17/07	4:00	41.198	51.384	25.589
2/17/07	8:00	41.312	51.442	25.655
2/17/07	12:00	41.368	51.438	25.615
2/17/07	16:00	41.361	51.416	25.594
2/17/07	20:00	41.352	51.402	25.587
2/18/07	0:00	41.338	51.384	25.564
2/18/07	4:00	41.284	51.318	25.5
2/18/07	8:00	41.223	51.269	25.472
2/18/07	12:00	41.149	51.194	25.423
2/18/07	16:00	41.056	51.133	25.374

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/18/07	20:00	40.993	51.088	25.355
2/19/07	0:00	40.892	50.994	25.264
2/19/07	4:00	40.839	50.983	25.236
2/19/07	8:00	40.869	51.065	25.309
2/19/07	12:00	40.932	51.121	25.358
2/19/07	16:00	41.007	51.191	25.404
2/19/07	20:00	41.079	51.236	25.447
2/20/07	0:00	41.112	51.238	25.444
2/20/07	4:00	41.114	51.217	25.397
2/20/07	8:00	41.126	51.248	25.428
2/20/07	12:00		51.241	25.407
2/20/07	16:00	40.676	51.21	25.367
2/20/07	20:00	41.011	51.234	25.348
2/21/07	0:00	41.084	51.234	25.351
2/21/07	4:00	41.086	51.215	25.362
2/21/07	8:00	41.112	51.243	25.341
2/21/07	12:00	41.14	51.262	25.353
2/21/07	16:00	41.212	51.363	25.388
2/21/07	20:00	41.298	51.421	25.395
2/22/07	0:00	41.366	51.461	25.442
2/22/07	4:00	41.415	51.496	25.461
2/22/07	8:00	41.431	51.487	25.454
2/22/07	12:00	41.417	51.442	25.414
2/22/07	16:00	41.338	51.372	25.362
2/22/07	20:00	41.277	51.332	25.33
2/23/07	0:00	41.191	51.257	25.29
2/23/07	4:00	41.112	51.189	25.224
2/23/07	8:00	41.03	51.14	25.201
2/23/07	12:00	40.951	51.06	25.147
2/23/07	16:00	40.85	51.009	25.119
2/23/07	20:00	40.834	51.03	25.086
2/24/07	0:00	40.82	51.011	25.103
2/24/07	4:00	40.766	50.99	25.096
2/24/07	8:00	40.75	51.016	25.126
2/24/07	12:00	40.71	50.934	25.016
2/24/07	16:00	40.71	50.994	25.1
2/24/07	20:00	40.717	50.992	25.098
2/25/07	0:00	40.759	51.025	25.126
2/25/07	4:00	40.832	51.102	25.168
2/25/07	8:00	40.932	51.175	25.231
2/25/07	12:00	41.007	51.203	25.243
2/25/07	16:00	41.025	51.203	25.243

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
2/25/07	20:00	41.072	51.236	25.273
2/26/07	0:00	41.065	51.21	25.234
2/26/07	4:00	41.053	51.203	25.236
2/26/07	8:00	41.091	51.243	25.266
2/26/07	12:00	41.095	51.229	25.259
2/26/07	16:00	41.095	51.248	25.285
2/26/07	20:00	41.14	51.278	25.297
2/27/07	0:00	41.151	51.28	25.299
2/27/07	4:00	41.149	51.283	25.311
2/27/07	8:00	41.167	51.299	25.348
2/27/07	12:00	41.151	51.257	25.292
2/27/07	16:00	41.067	51.17	25.206
2/27/07	20:00	41.046	51.194	25.28
2/28/07	0:00	40.962	51.088	25.178
2/28/07	4:00	40.86	51.009	25.084
2/28/07	8:00	40.804	50.994	25.086
2/28/07	12:00	40.748	50.943	25.042
2/28/07	16:00	40.696	50.938	25.058
2/28/07	20:00	40.724	50.959	25.063
3/1/07	0:00	40.699	50.978	25.084
3/1/07	4:00	40.615	50.88	25.007
3/1/07	8:00	40.619	50.929	25.049
3/1/07	12:00	40.654	50.964	25.077
3/1/07	16:00	40.755	51.053	25.138
3/1/07	20:00	40.829	51.079	25.149
3/2/07	0:00	40.841	51.058	25.121
3/2/07	4:00	40.855	51.072	25.131
3/2/07	8:00	40.876	51.088	25.145
3/2/07	12:00	40.918	51.123	25.175
3/2/07	16:00	40.953	51.159	25.199
3/2/07	20:00	40.99	51.175	25.213
3/3/07	0:00	41.053	51.234	25.262
3/3/07	4:00	41.126	51.297	25.316
3/3/07	8:00	41.228	51.381	25.381
3/3/07	12:00	41.3	51.402	25.39
3/3/07	16:00	41.31	51.395	25.388
3/3/07	20:00	41.321	51.391	25.376
3/4/07	0:00	41.312	51.377	25.367
3/4/07	4:00	41.254	51.316	25.316
3/4/07	8:00	41.198	51.29	25.29
3/4/07	12:00	41.23	51.334	25.332
3/4/07	16:00	41.212	51.32	25.323

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/4/07	20:00	41.209	51.316	25.33
3/5/07	0:00	41.167	51.269	25.292
3/5/07	4:00	41.128	51.255	25.292
3/5/07	8:00	41.161	51.318	25.351
3/5/07	12:00	41.233	51.372	25.379
3/5/07	16:00	41.223	51.344	25.353
3/5/07	20:00	41.237	51.356	25.36
3/6/07	0:00	41.219	51.325	25.323
3/6/07	4:00	41.153	51.252	25.264
3/6/07	8:00	41.086	51.213	25.262
3/6/07	12:00	41.011	51.145	25.264
3/6/07	16:00	40.93	51.109	25.25
3/6/07	20:00	40.944	51.156	25.271
3/7/07	0:00	40.976	51.184	25.367
3/7/07	4:00	41.014	51.224	25.346
3/7/07	8:00	41.088	51.292	25.442
3/7/07	12:00	41.123	51.285	25.367
3/7/07	16:00	41.067	51.21	25.306
3/7/07	20:00	41.046	51.21	25.231
3/8/07	0:00	41.014	51.177	25.224
3/8/07	4:00	40.951	51.116	25.187
3/8/07	8:00	40.916	51.102	25.266
3/8/07	12:00	40.857	51.039	25.089
3/8/07	16:00	40.776	50.987	25.03
3/8/07	20:00	40.743	50.992	25.044
3/9/07	0:00	40.731	50.98	25.028
3/9/07	4:00	40.706	50.985	24.904
3/9/07	8:00	40.771	51.067	24.911
3/9/07	12:00	40.834	51.098	24.864
3/9/07	16:00	40.834	51.119	24.693
3/9/07	20:00	40.869	51.135	24.436
3/10/07	0:00	40.841	51.119	24.309
3/10/07	4:00	40.82	51.13	24.335
3/10/07	8:00	40.813	51.163	24.394
3/10/07	12:00	40.808	51.133	24.436
3/10/07	16:00	40.743	51.091	24.377
3/10/07	20:00	40.734	51.116	24.335
3/11/07	0:00	40.713	51.123	24.3
3/11/07	4:00	40.682	51.093	24.307
3/11/07	8:00	40.661	51.084	24.333
3/11/07	12:00	40.626	51.065	24.363
3/11/07	16:00	40.403	50.966	24.253

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/11/07	20:00	40.477	50.987	24.164
3/12/07	0:00	40.391	50.908	24.043
3/12/07	4:00	40.328	50.891	24.068
3/12/07	8:00	40.284	50.88	24.096
3/12/07	12:00	40.015	50.83	24.05
3/12/07	16:00	40.123	50.774	23.858
3/12/07	20:00	40.074	50.781	23.841
3/13/07	0:00	40.006	50.753	23.87
3/13/07	4:00	39.946	50.737	23.926
3/13/07	8:00	39.887	50.711	23.93
3/13/07	12:00	39.827	50.659	23.877
3/13/07	16:00	39.733	50.626	23.853
3/13/07	20:00	39.705	50.647	23.942
3/14/07	0:00	39.687	50.65	23.994
3/14/07	4:00	39.673	50.659	24.059
3/14/07	8:00	39.724	50.727	24.178
3/14/07	12:00	39.771	50.748	24.225
3/14/07	16:00	39.785	50.722	24.228
3/14/07	20:00	39.838	50.781	24.309
3/15/07	0:00	39.857	50.76	24.319
3/15/07	4:00	39.855	50.753	24.342
3/15/07	8:00	39.929	50.814	24.422
3/15/07	12:00	39.941	50.776	24.403
3/15/07	16:00	39.929	50.762	24.415
3/15/07	20:00	39.973	50.8	24.476
3/16/07	0:00	40.008	50.802	24.511
3/16/07	4:00	40.001	50.779	24.485
3/16/07	8:00	40.018	50.788	24.513
3/16/07	12:00	39.983	50.704	24.436
3/16/07	16:00	39.859	50.601	24.377
3/16/07	20:00	39.803	50.57	24.44
3/17/07	0:00	39.761	50.542	24.401
3/17/07	4:00	39.701	50.514	24.344
3/17/07	8:00	39.738	50.577	24.396
3/17/07	12:00	39.759	50.565	24.394
3/17/07	16:00	39.738	50.547	24.396
3/17/07	20:00	39.778	50.579	24.45
3/18/07	0:00	39.778	50.554	24.433
3/18/07	4:00	39.743	50.507	24.396
3/18/07	8:00	39.717	50.472	24.363
3/18/07	12:00	39.635	50.39	24.284
3/18/07	16:00	39.512	50.336	24.244

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/18/07	20:00	39.502	50.338	24.265
3/19/07	0:00	39.537	50.411	24.352
3/19/07	4:00	39.619	50.49	24.454
3/19/07	8:00	39.775	50.617	24.597
3/19/07	12:00	39.894	50.64	24.63
3/19/07	16:00	39.906	50.612	24.609
3/19/07	20:00	39.955	50.645	24.663
3/20/07	0:00	39.971	50.615	24.646
3/20/07	4:00	39.939	50.563	24.595
3/20/07	8:00	39.918	50.547	24.588
3/20/07	12:00	39.845	50.46	24.525
3/20/07	16:00	39.75	50.387	24.44
3/20/07	20:00	39.708	50.385	24.445
3/21/07	0:00	39.647	50.331	24.391
3/21/07	4:00	39.589	50.305	24.37
3/21/07	8:00	39.565	50.308	24.389
3/21/07	12:00	39.535	50.275	24.359
3/21/07	16:00	39.523	50.279	24.368
3/21/07	20:00	39.619	50.434	24.55
3/22/07	0:00	39.757	50.504	24.644
3/22/07	4:00	39.834	50.526	24.667
3/22/07	8:00	39.862	50.504	24.642
3/22/07	12:00	39.855	50.46	24.595
3/22/07	16:00	39.773	50.385	24.536
3/22/07	20:00	39.75	50.387	24.541
3/23/07	0:00	39.74	50.38	24.534
3/23/07	4:00	39.729	50.38	24.548
3/23/07	8:00	39.759	50.401	24.581
3/23/07	12:00	39.761	50.383	24.567
3/23/07	16:00	39.726	50.354	24.548
3/23/07	20:00	39.738	50.383	24.593
3/24/07	0:00	39.745	50.378	24.593
3/24/07	4:00	39.773	50.418	24.623
3/24/07	8:00	39.824	50.451	24.677
3/24/07	12:00	39.764	50.338	24.548
3/24/07	16:00	39.745	50.35	24.548
3/24/07	20:00	39.759	50.38	24.578
3/25/07	0:00	39.726	50.329	24.529
3/25/07	4:00	39.677	50.296	24.506
3/25/07	8:00	39.675	50.303	24.513
3/25/07	12:00	39.654	50.284	24.48
3/25/07	16:00	39.635	50.275	24.476

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
3/25/07	20:00	39.656	50.312	24.525
3/26/07	0:00	39.68	50.319	24.55
3/26/07	4:00	39.675	50.303	24.546
3/26/07	8:00	39.71	50.34	24.569
3/26/07	12:00	39.717	50.317	24.555
3/26/07	16:00	39.71	50.315	24.574
3/26/07	20:00	39.764	50.383	24.63
3/27/07	0:00	39.792	50.376	24.628
3/27/07	4:00	39.778	50.343	24.597
3/27/07	8:00	39.785	50.345	24.604
3/27/07	12:00	39.75	50.291	24.55
3/27/07	16:00	39.68	50.235	24.494
3/27/07	20:00	39.677	50.272	24.534
3/28/07	0:00	39.649	50.242	24.501
3/28/07	4:00	39.649	50.258	24.536
3/28/07	8:00	39.689	50.291	24.597
3/28/07	12:00	39.708	50.284	24.571
3/28/07	16:00	39.675	50.254	24.515
3/28/07	20:00	39.698	50.275	24.534
3/29/07	0:00	39.731	50.308	24.569
3/29/07	4:00	39.75	50.312	24.571
3/29/07	8:00	39.766	50.319	24.593
3/29/07	12:00	39.789	50.319	24.588
3/29/07	16:00	39.761	50.317	24.571
3/29/07	20:00	39.803	50.34	24.604
3/30/07	0:00	39.81	50.319	24.581
3/30/07	4:00	39.78	50.293	24.564
3/30/07	8:00	39.787	50.308	24.602
3/30/07	12:00	39.766	50.258	24.522
3/30/07	16:00	39.694	50.202	24.445
3/30/07	20:00	39.645	50.176	24.415
3/31/07	0:00	39.631	50.08	24.333
3/31/07	4:00	39.582	49.961	23.991
3/31/07	8:00	39.467	49.935	23.736
3/31/07	12:00	39.372	49.848	23.495
3/31/07	16:00	39.118	49.914	23.343
3/31/07	20:00	38.975	49.991	23.198
4/1/07	0:00	38.894	49.932	23.079
4/1/07	4:00	38.796	49.93	23.065
4/1/07	8:00	38.728	49.97	23.154
4/1/07	12:00	38.773	49.965	23.2
4/1/07	16:00	38.733	49.942	23.231

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/1/07	20:00	38.649	49.949	23.299
4/2/07	0:00	38.635	49.951	23.357
4/2/07	4:00	38.665	49.923	23.376
4/2/07	8:00	38.717	49.89	23.385
4/2/07	12:00	38.833	49.787	23.306
4/2/07	16:00	38.609	49.691	23.247
4/2/07	20:00	38.553	49.703	23.299
4/3/07	0:00	38.579	49.742	23.383
4/3/07	4:00	38.612	49.799	23.507
4/3/07	8:00	38.761	49.963	23.715
4/3/07	12:00	38.889	49.989	23.755
4/3/07	16:00	38.924	49.977	23.755
4/3/07	20:00	38.996	50.022	23.823
4/4/07	0:00	39.029	50.017	23.825
4/4/07	4:00	39.031	49.993	23.804
4/4/07	8:00	39.055	50.005	23.858
4/4/07	12:00	39.043	49.953	23.797
4/4/07	16:00	38.952	49.86	23.731
4/4/07	20:00	38.924	49.871	23.743
4/5/07	0:00	38.926	49.867	23.757
4/5/07	4:00	38.905	49.834	23.734
4/5/07	8:00	38.908	49.85	23.767
4/5/07	12:00	38.852	49.775	23.694
4/5/07	16:00	38.787	49.738	23.664
4/5/07	20:00	38.77	49.759	23.713
4/6/07	0:00	38.777	49.768	23.748
4/6/07	4:00	38.787	49.778	23.785
4/6/07	8:00	38.826	49.803	23.823
4/6/07	12:00	38.8	49.735	23.774
4/6/07	16:00	38.747	49.698	23.706
4/6/07	20:00	38.74	49.728	23.748
4/7/07	0:00	38.735	49.71	23.738
4/7/07	4:00	38.703	49.674	23.694
4/7/07	8:00	38.698	49.675	23.706
4/7/07	12:00	38.654	49.618	23.65
4/7/07	16:00	38.591	49.574	23.614
4/7/07	20:00	38.586	49.606	23.664
4/8/07	0:00	38.595	49.611	23.689
4/8/07	4:00	38.586	49.599	23.687
4/8/07	8:00	38.605	49.609	23.708
4/8/07	12:00	38.565	49.546	23.657
4/8/07	16:00	38.509	49.508	23.622

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/8/07	20:00	38.493	49.522	23.654
4/9/07	0:00	38.49	49.508	23.652
4/9/07	4:00	38.458	49.48	23.636
4/9/07	8:00	38.465	49.492	23.652
4/9/07	12:00	38.439	49.445	23.61
4/9/07	16:00	38.385	49.403	23.596
4/9/07	20:00	38.371	49.412	23.607
4/10/07	0:00	38.336	49.365	23.572
4/10/07	4:00	38.276	49.304	23.526
4/10/07	8:00	38.206	49.262	23.488
4/10/07	12:00	38.138	49.206	23.46
4/10/07	16:00	38.092	49.194	23.469
4/10/07	20:00	38.082	49.213	23.493
4/11/07	0:00	38.047	49.166	23.437
4/11/07	4:00	38.031	49.173	23.446
4/11/07	8:00	38.078	49.234	23.512
4/11/07	12:00	38.148	49.295	23.579
4/11/07	16:00	38.248	49.388	23.682
4/11/07	20:00	38.381	49.487	23.802
4/12/07	0:00	38.472	49.515	23.818
4/12/07	4:00	38.532	49.532	23.83
4/12/07	8:00	38.623	49.592	23.914
4/12/07	12:00	38.663	49.583	23.9
4/12/07	16:00	38.642	49.529	23.825
4/12/07	20:00	38.675	49.581	23.893
4/13/07	0:00	38.7	49.569	23.891
4/13/07	4:00	38.705	49.553	23.863
4/13/07	8:00	38.721	49.56	23.846
4/13/07	12:00		49.482	23.774
4/13/07	16:00		49.421	23.717
4/13/07	20:00		49.419	23.738
4/14/07	0:00		49.346	23.678
4/14/07	4:00		49.311	23.65
4/14/07	8:00		49.316	23.664
4/14/07	12:00		49.276	23.617
4/14/07	16:00	38.565	49.269	23.626
4/14/07	20:00	38.455	49.304	23.68
4/15/07	0:00	38.432	49.309	23.692
4/15/07	4:00	38.413	49.304	23.699
4/15/07	8:00	38.437	49.342	23.727
4/15/07	12:00	38.444	49.318	23.746
4/15/07	16:00	38.399	49.26	23.675

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/15/07	20:00	38.378	49.276	23.696
4/16/07	0:00	38.388	49.292	23.706
4/16/07	4:00	38.39	49.288	23.715
4/16/07	8:00	38.388	49.269	23.682
4/16/07	12:00	38.36	49.213	23.617
4/16/07	16:00	38.294	49.173	23.591
4/16/07	20:00	38.271	49.196	23.654
4/17/07	0:00	38.287	49.208	23.685
4/17/07	4:00	38.271	49.175	23.654
4/17/07	8:00	38.278	49.199	23.68
4/17/07	12:00	38.255	49.14	23.633
4/17/07	16:00	38.199	49.093	23.596
4/17/07	20:00	38.208	49.149	23.657
4/18/07	0:00	38.236	49.173	23.673
4/18/07	4:00	38.243	49.166	23.657
4/18/07	8:00	38.273	49.189	23.682
4/18/07	12:00	38.28	49.161	23.652
4/18/07	16:00	38.236	49.107	23.61
4/18/07	20:00	38.22	49.124	23.636
4/19/07	0:00	38.229	49.135	23.64
4/19/07	4:00	38.25	49.14	23.661
4/19/07	8:00	38.269	49.152	23.682
4/19/07	12:00	38.245	49.091	23.614
4/19/07	16:00	38.208	49.088	23.614
4/19/07	20:00	38.231	49.138	23.678
4/20/07	0:00	38.276	49.173	23.72
4/20/07	4:00	38.292	49.168	23.713
4/20/07	8:00	38.322	49.177	23.729
4/20/07	12:00	38.301	49.114	23.666
4/20/07	16:00	38.231	49.039	23.589
4/20/07	20:00	38.21	49.074	23.638
4/21/07	0:00	38.224	49.081	23.652
4/21/07	4:00	38.199	49.048	23.615
4/21/07	8:00	38.208	49.063	23.64
4/21/07	12:00	38.173	49.002	23.586
4/21/07	16:00	38.11	48.945	23.544
4/21/07	20:00	38.071	48.936	23.537
4/22/07	0:00	38.099	48.995	23.605
4/22/07	4:00	38.059	48.92	23.54
4/22/07	8:00	38.001	48.875	23.512
4/22/07	12:00	37.935	48.807	23.46
4/22/07	16:00	37.914	48.835	23.493

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/22/07	20:00	37.961	48.936	23.612
4/23/07	0:00	38.094	49.06	23.725
4/23/07	4:00	38.185	49.131	23.82
4/23/07	8:00	38.297	49.187	23.837
4/23/07	12:00	38.334	49.168	23.813
4/23/07	16:00	38.313	49.102	23.729
4/23/07	20:00	38.294	49.112	23.741
4/24/07	0:00	38.264	49.032	23.671
4/24/07	4:00	38.197	48.969	23.643
4/24/07	8:00	38.136	48.95	23.636
4/24/07	12:00	38.171	48.884	23.491
4/24/07	16:00	38.082	48.837	23.334
4/24/07	20:00	38.064	48.809	23.069
4/25/07	0:00	38.001	48.732	22.856
4/25/07	4:00	37.842	48.709	22.711
4/25/07	8:00	37.725	48.718	22.653
4/25/07	12:00	37.655	48.699	22.601
4/25/07	16:00	37.586	48.65	22.564
4/25/07	20:00	37.499	48.676	22.611
4/26/07	0:00	37.488	48.596	22.559
4/26/07	4:00	37.455	48.544	22.536
4/26/07	8:00	37.425	48.552	22.583
4/26/07	12:00	37.497	48.505	22.566
4/26/07	16:00	37.425	48.455	22.559
4/26/07	20:00	37.247	48.472	22.618
4/27/07	0:00	37.21	48.458	22.625
4/27/07	4:00	37.201	48.427	22.632
4/27/07	8:00	37.187	48.46	22.702
4/27/07	12:00	37.226	48.453	22.711
4/27/07	16:00	37.264	48.441	22.723
4/27/07	20:00	37.154	48.479	22.775
4/28/07	0:00	37.156	48.495	22.814
4/28/07	4:00	37.18	48.483	22.821
4/28/07	8:00	37.268	48.5	22.838
4/28/07	12:00	37.413	48.448	22.8
4/28/07	16:00	37.327	48.385	22.742
4/28/07	20:00	37.173	48.352	22.735
4/29/07	0:00	37.131	48.329	22.732
4/29/07	4:00	37.1	48.301	22.728
4/29/07	8:00	37.175	48.287	22.73
4/29/07	12:00	37.084	48.24	22.704
4/29/07	16:00	37.01	48.158	22.641

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
4/29/07	20:00	36.972	48.148	22.658
4/30/07	0:00	36.951	48.127	22.66
4/30/07	4:00	36.914	48.09	22.639
4/30/07	8:00	36.902	48.087	22.655
4/30/07	12:00	36.874	48.04	22.622
4/30/07	16:00	36.809	47.97	22.583
4/30/07	20:00	36.811	48.012	22.651
5/1/07	0:00	36.828	48.038	22.688
5/1/07	4:00	36.832	48.031	22.69
5/1/07	8:00	36.898	48.12	22.782
5/1/07	12:00	36.947	48.143	22.789
5/1/07	16:00	36.921	48.083	22.735
5/1/07	20:00	36.926	48.108	22.772
5/2/07	0:00	36.947	48.12	22.782
5/2/07	4:00	36.944	48.106	22.784
5/2/07	8:00	36.954	48.104	22.779
5/2/07	12:00	36.921	48.043	22.73
5/2/07	16:00	36.856	47.97	22.672
5/2/07	20:00	36.835	47.982	22.714
5/3/07	0:00	36.807	47.93	22.674
5/3/07	4:00	36.772	47.904	22.667
5/3/07	8:00	36.762	47.9	22.662
5/3/07	12:00	36.727	47.855	22.632
5/3/07	16:00	36.669	47.792	22.592
5/3/07	20:00	36.629	47.768	22.585
5/4/07	0:00	36.608	47.75	22.583
5/4/07	4:00	36.571	47.74	22.601
5/4/07	8:00	36.604	47.782	22.632
5/4/07	12:00	36.578	47.726	22.583
5/4/07	16:00	36.517	47.658	22.543
5/4/07	20:00	36.496	47.665	22.566
5/5/07	0:00	36.487	47.637	22.541
5/5/07	4:00	36.466	47.649	22.576
5/5/07	8:00	36.417	47.578	22.52
5/5/07	12:00	36.403	47.541	22.47
5/5/07	16:00	36.371	47.532	22.456
5/5/07	20:00	36.415	47.618	22.515
5/6/07	0:00	36.399	47.593	22.484
5/6/07	4:00	36.438	47.637	22.358
5/6/07	8:00	36.387	47.623	22.021
5/6/07	12:00	36.336	47.686	21.888
5/6/07	16:00	36.226	47.454	21.612

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/6/07	20:00	36.072	47.487	21.626
5/7/07	0:00	35.969	47.353	21.352
5/7/07	4:00	35.92	47.14	21.003
5/7/07	8:00	35.713	47.175	20.985
5/7/07	12:00	35.596	47.07	20.879
5/7/07	16:00	35.473	46.995	20.823
5/7/07	20:00	35.291	46.917	20.788
5/8/07	0:00	35.167	46.847	20.781
5/8/07	4:00	35.06	46.772	20.788
5/8/07	8:00	35.02	46.727	20.816
5/8/07	12:00	35.076	46.615	20.779
5/8/07	16:00	34.971	46.477	20.72
5/8/07	20:00	34.778	46.39	20.73
5/9/07	0:00	34.666	46.333	20.746
5/9/07	4:00	34.598	46.266	20.737
5/9/07	8:00	34.594	46.226	20.758
5/9/07	12:00	34.643	46.137	20.72
5/9/07	16:00	34.342	46.04	20.69
5/9/07	20:00	34.272	45.998	20.704
5/10/07	0:00	34.232	45.956	20.713
5/10/07	4:00	34.185	45.921	20.718
5/10/07	8:00	34.181	45.926	20.76
5/10/07	12:00	34.153	45.879	20.748
5/10/07	16:00	34.088	45.804	20.723
5/10/07	20:00	34.062	45.806	20.774
5/11/07	0:00	34.048	45.787	20.781
5/11/07	4:00	34.048	45.792	20.821
5/11/07	8:00	34.057	45.806	20.856
5/11/07	12:00	34.039	45.759	20.833
5/11/07	16:00	33.978	45.677	20.772
5/11/07	20:00	34.435	45.839	20.802
5/12/07	0:00	34.071	45.712	20.802
5/12/07	4:00	33.969	45.661	20.8
5/12/07	8:00	33.976	45.691	20.851
5/12/07	12:00	33.901	45.586	20.783
5/12/07	16:00	33.999	45.569	20.741
5/12/07	20:00	33.843	45.508	20.727
5/13/07	0:00	33.801	45.492	20.746
5/13/07	4:00	33.761	45.454	20.741
5/13/07	8:00	33.735	45.419	20.732
5/13/07	12:00	33.665	45.316	20.659
5/13/07	16:00	33.57	45.213	20.606

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/13/07	20:00	33.518	45.187	20.627
5/14/07	0:00	33.479	45.135	20.582
5/14/07	4:00	33.416	45.067	20.552
5/14/07	8:00	33.388	45.039	20.552
5/14/07	12:00	33.351	44.992	20.521
5/14/07	16:00	33.283	44.917	20.51
5/14/07	20:00	33.309	45.016	20.62
5/15/07	0:00	33.325	45.032	20.65
5/15/07	4:00	33.337	45.03	20.645
5/15/07	8:00	33.36	45.058	20.655
5/15/07	12:00	33.383	45.068	20.662
5/15/07	16:00	33.348	45.009	20.617
5/15/07	20:00	33.32	44.967	20.599
5/16/07	0:00	33.32	44.964	20.599
5/16/07	4:00	33.29	44.91	20.554
5/16/07	8:00	33.274	44.878	20.54
5/16/07	12:00	33.22	44.793	20.475
5/16/07	16:00	33.148	44.723	20.442
5/16/07	20:00	33.129	44.72	20.463
5/17/07	0:00	33.162	44.76	20.503
5/17/07	4:00	33.164	44.749	20.5
5/17/07	8:00	33.194	44.786	20.54
5/17/07	12:00	33.152	44.685	20.451
5/17/07	16:00	33.054	44.568	20.367
5/17/07	20:00	32.991	44.533	20.362
5/18/07	0:00	32.952	44.474	20.316
5/18/07	4:00	32.901	44.427	20.287
5/18/07	8:00	32.88	44.406	20.28
5/18/07	12:00	32.821	44.315	20.203
5/18/07	16:00	32.737	44.226	20.145
5/18/07	20:00	32.686	44.195	20.14
5/19/07	0:00	32.651	44.146	20.11
5/19/07	4:00	32.607	44.102	20.084
5/19/07	8:00	32.588	44.09	20.086
5/19/07	12:00	32.548	44.024	20.042
5/19/07	16:00	32.481	43.944	19.986
5/19/07	20:00	32.443	43.942	20.007
5/20/07	0:00	32.432	43.923	19.997
5/20/07	4:00	32.404	43.883	19.979
5/20/07	8:00	32.369	43.837	19.939
5/20/07	12:00	32.322	43.771	19.89
5/20/07	16:00	32.245	43.677	19.829

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/20/07	20:00	32.192	43.654	19.836
5/21/07	0:00	32.192	43.649	19.864
5/21/07	4:00	32.152	43.597	19.82
5/21/07	8:00	32.131	43.574	19.822
5/21/07	12:00	32.073	43.485	19.724
5/21/07	16:00	32.007	43.419	19.693
5/21/07	20:00	31.972	43.407	19.698
5/22/07	0:00	31.937	43.361	19.646
5/22/07	4:00	31.898	43.314	19.621
5/22/07	8:00	31.93	43.332	19.635
5/22/07	12:00	31.9	43.318	19.639
5/22/07	16:00	31.851	43.239	19.602
5/22/07	20:00	31.851	43.258	19.614
5/23/07	0:00	31.858	43.288	19.646
5/23/07	4:00	31.837	43.236	19.597
5/23/07	8:00	31.919	43.302	19.651
5/23/07	12:00	31.902	43.325	19.675
5/23/07	16:00	31.886	43.297	19.637
5/23/07	20:00	31.898	43.337	19.682
5/24/07	0:00	31.888	43.297	19.637
5/24/07	4:00	31.825	43.267	19.593
5/24/07	8:00	31.86	43.333	19.52
5/24/07	12:00	31.874	43.347	19.438
5/24/07	16:00	31.863	43.311	19.368
5/24/07	20:00	31.835	43.276	19.328
5/25/07	0:00	31.804	43.222	19.279
5/25/07	4:00	31.758	43.164	19.232
5/25/07	8:00	31.723	43.107	19.195
5/25/07	12:00	31.632	42.969	19.085
5/25/07	16:00	31.504	42.824	18.982
5/25/07	20:00	31.413	42.739	18.945
5/26/07	0:00	31.347	42.678	18.907
5/26/07	4:00	31.27	42.587	18.844
5/26/07	8:00	31.196	42.552	18.842
5/26/07	12:00	31.193	42.538	18.842
5/26/07	16:00	31.135	42.47	18.807
5/26/07	20:00	31.107	42.453	18.785
5/27/07	0:00	31.103	42.458	18.793
5/27/07	4:00	31.077	42.435	18.774
5/27/07	8:00	31.058	42.411	18.762
5/27/07	12:00	31.014	42.341	18.701
5/27/07	16:00	30.911	42.216	18.596

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
5/27/07	20:00	30.853	42.198	18.603
5/28/07	0:00	30.816	42.148	18.563
5/28/07	4:00	30.771	42.118	18.551
5/28/07	8:00	30.741	42.083	18.53
5/28/07	12:00	30.673	41.994	18.456
5/28/07	16:00	30.603	41.923	18.407
5/28/07	20:00	30.566	41.921	18.427
5/29/07	0:00	30.543	41.9	18.409
5/29/07	4:00	30.522	41.888	18.411
5/29/07	8:00	30.527	41.898	18.418
5/29/07	12:00	30.501	41.855	18.388
5/29/07	16:00	30.466	41.825	18.367
5/29/07	20:00	30.41	41.773	18.327
5/30/07	0:00	30.373	41.731	18.315
5/30/07	4:00	30.307	41.644	18.254
5/30/07	8:00	30.275	41.651	18.273
5/30/07	12:00	30.277	41.661	18.294
5/30/07	16:00	30.27	41.654	18.287
5/30/07	20:00	30.275	41.677	18.311
5/31/07	0:00	30.279	41.675	18.303
5/31/07	4:00	30.251	41.642	18.275
5/31/07	8:00	30.249	41.635	18.261
5/31/07	12:00	30.2	41.56	18.194
5/31/07	16:00	30.128	41.492	18.166
5/31/07	20:00	30.114	41.546	18.21
6/1/07	0:00	29.999	41.37	18.004
6/1/07	4:00	29.909	41.286	17.927
6/1/07	8:00	29.874	41.258	17.903
6/1/07	12:00	29.834	41.227	17.899
6/1/07	16:00	29.801	41.178	17.861
6/1/07	20:00	29.748	41.131	17.845
6/2/07	0:00	29.717	41.084	17.812
6/2/07	4:00	29.661	41.023	17.777
6/2/07	8:00	29.629	40.99	17.77
6/2/07	12:00	29.594		
6/2/07	16:00	31.107	40.918	17.584
6/2/07	20:00	31.039	40.846	17.523
6/3/07	0:00	31.032	40.85	17.497
6/3/07	4:00	30.995	40.801	17.439
6/3/07	8:00	30.972	40.792	17.443
6/3/07	12:00	30.969	40.775	17.415
6/3/07	16:00	30.909	40.695	17.35

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/3/07	20:00	30.855	40.658	17.334
6/4/07	0:00	30.844	40.66	17.348
6/4/07	4:00	30.82	40.637	17.327
6/4/07	8:00	30.82	40.66	17.362
6/4/07	12:00	30.818	40.646	17.341
6/4/07	16:00	30.774	40.583	17.289
6/4/07	20:00	30.746	40.583	17.303
6/5/07	0:00	30.757	40.597	17.315
6/5/07	4:00	30.764	40.623	17.338
6/5/07	8:00	30.774	40.63	17.348
6/5/07	12:00	30.769	40.611	17.319
6/5/07	16:00	30.711	40.524	17.247
6/5/07	20:00	30.624	40.44	17.191
6/6/07	0:00	30.568	40.388	17.156
6/6/07	4:00	30.466	40.264	17.069
6/6/07	8:00	30.398	40.182	17.001
6/6/07	12:00	30.27	40.025	16.896
6/6/07	16:00	30.135	39.896	16.826
6/6/07	20:00	30.025	39.795	16.774
6/7/07	0:00	29.948	39.732	16.739
6/7/07	4:00	29.901	39.72	16.753
6/7/07	8:00	29.899	39.758	16.805
6/7/07	12:00	29.969	39.851	16.889
6/7/07	16:00	30.006	39.875	16.908
6/7/07	20:00	30.046	39.966	17.006
6/8/07	0:00	30.237	40.222	17.217
6/8/07	4:00	30.377	40.346	17.282
6/8/07	8:00	30.491	40.466	17.362
6/8/07	12:00	30.578	40.517	17.371
6/8/07	16:00	30.568	40.468	17.308
6/8/07	20:00	30.524	40.419	17.261
6/9/07	0:00	30.512	40.428	17.273
6/9/07	4:00	30.501	40.409	17.256
6/9/07	8:00	30.494	40.409	17.256
6/9/07	12:00	30.456	40.356	17.21
6/9/07	16:00	30.382	40.245	17.114
6/9/07	20:00	30.3	40.175	17.072
6/10/07	0:00	30.277	40.184	17.1
6/10/07	4:00	30.219	40.112	17.048
6/10/07	8:00	30.198	40.112	17.065
6/10/07	12:00	30.17	40.072	17.034
6/10/07	16:00	30.144	40.039	17.013

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/10/07	20:00	30.088	39.983	16.98
6/11/07	0:00	30.088	40.023	17.022
6/11/07	4:00	30.074	39.99	16.994
6/11/07	8:00	30.076	40.006	17.02
6/11/07	12:00	30.09	40.02	17.037
6/11/07	16:00	30.069	39.983	17.006
6/11/07	20:00	30.037	39.962	16.999
6/12/07	0:00	30.067	40.013	17.055
6/12/07	4:00	30.051	39.99	17.029
6/12/07	8:00	30.048	39.99	17.037
6/12/07	12:00	30.051	39.966	17.008
6/12/07	16:00	29.992	39.887	16.95
6/12/07	20:00	29.95	39.873	16.952
6/13/07	0:00	29.936	39.866	16.955
6/13/07	4:00	29.904	39.826	16.919
6/13/07	8:00	29.887	39.809	16.92
6/13/07	12:00	29.866	39.805	16.922
6/13/07	16:00	29.815	39.774	16.882
6/13/07	20:00	29.755	39.69	16.781
6/14/07	0:00	29.741	39.687	16.779
6/14/07	4:00	29.692	39.622	16.737
6/14/07	8:00	29.666	39.594	16.725
6/14/07	12:00	29.64	39.542	16.7
6/14/07	16:00	29.589	39.465	16.65
6/14/07	20:00	29.538	39.42	16.636
6/15/07	0:00	29.533	39.427	16.657
6/15/07	4:00	29.517	39.406	16.65
6/15/07	8:00	29.519	39.413	16.667
6/15/07	12:00	29.505	39.38	16.646
6/15/07	16:00	29.475	39.333	16.618
6/15/07	20:00	29.43	39.3	16.599
6/16/07	0:00	29.43	39.326	16.639
6/16/07	4:00	29.433	39.324	16.627
6/16/07	8:00	29.44	39.345	16.653
6/16/07	12:00	29.456	39.345	16.655
6/16/07	16:00	29.426	39.284	16.601
6/16/07	20:00	29.36	39.228	16.564
6/17/07	0:00	29.356	39.242	16.58
6/17/07	4:00	29.323	39.186	16.529
6/17/07	8:00	29.274	39.15	16.517
6/17/07	12:00	29.227	39.08	16.466
6/17/07	16:00	29.158	38.991	16.409

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/17/07	20:00	29.071	38.902	16.353
6/18/07	0:00	29.043	38.907	16.379
6/18/07	4:00	29.011	38.888	16.377
6/18/07	8:00	29.022	38.895	16.381
6/18/07	12:00	28.98	38.867	16.377
6/18/07	16:00	28.99	38.857	16.365
6/18/07	20:00	29.001	38.895	16.405
6/19/07	0:00	29.067	38.972	16.466
6/19/07	4:00	29.132	39.054	16.534
6/19/07	8:00	29.197	39.136	16.594
6/19/07	12:00	29.244	39.155	16.594
6/19/07	16:00	29.262	39.153	16.578
6/19/07	20:00	29.241	39.134	16.557
6/20/07	0:00	29.227	39.127	16.55
6/20/07	4:00	29.241	39.134	16.545
6/20/07	8:00	29.244	39.155	16.566
6/20/07	12:00	29.227	39.104	16.515
6/20/07	16:00	29.167	39.019	16.445
6/20/07	20:00	29.102	38.963	16.405
6/21/07	0:00	29.085	38.968	16.419
6/21/07	4:00	29.085	38.982	16.435
6/21/07	8:00	29.106	38.97	16.409
6/21/07	12:00	29.076	38.942	16.398
6/21/07	16:00	29.039	38.914	16.384
6/21/07	20:00	28.962	38.806	16.302
6/22/07	0:00	28.969	38.874	16.384
6/22/07	4:00	28.964	38.855	16.37
6/22/07	8:00	28.924	38.813	16.344
6/22/07	12:00	28.924	38.794	16.325
6/22/07	16:00	28.857	38.686	16.234
6/22/07	20:00	28.796	38.651	16.229
6/23/07	0:00	28.803	38.689	16.269
6/23/07	4:00	28.798	38.672	16.255
6/23/07	8:00	28.808	38.691	16.279
6/23/07	12:00	28.812	38.689	16.279
6/23/07	16:00	28.796	38.656	16.243
6/23/07	20:00	28.766	38.63	16.232
6/24/07	0:00	28.773	38.649	16.255
6/24/07	4:00	28.754	38.623	16.236
6/24/07	8:00	28.775	38.66	16.274
6/24/07	12:00	28.782	38.651	16.262
6/24/07	16:00	28.766	38.618	16.229

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
6/24/07	20:00	28.74	38.599	16.218
6/25/07	0:00	28.754	38.63	16.25
6/25/07	4:00	28.768	38.644	16.257
6/25/07	8:00	28.766	38.637	16.253
6/25/07	12:00	28.784	38.656	16.269
6/25/07	16:00	28.77	38.621	16.236
6/25/07	20:00	28.745	38.609	16.229
6/26/07	0:00	28.768	38.665	16.276
6/26/07	4:00	28.791	38.691	16.297
6/26/07	8:00	28.812	38.7	16.307
6/26/07	12:00	28.845	38.721	16.316
6/26/07	16:00	28.854	38.721	16.307
6/26/07	20:00	28.822	38.682	16.269
6/27/07	0:00	28.829	38.738	16.328
6/27/07	4:00	28.831	38.714	16.297
6/27/07	8:00	28.836	38.74	16.328
6/27/07	12:00	28.857	38.742	16.328
6/27/07	16:00	28.838	38.703	16.295
6/27/07	20:00	28.796	38.665	16.258
6/28/07	0:00	28.801	38.696	16.288
6/28/07	4:00	28.808	38.698	16.293
6/28/07	8:00	28.81	38.7	16.297
6/28/07	12:00	28.829	38.703	16.3
6/28/07	16:00	28.798	38.646	16.253
6/28/07	20:00	28.766	38.63	16.25
6/29/07	0:00	28.773	38.656	16.274
6/29/07	4:00	28.749	38.606	16.227
6/29/07	8:00	28.754	38.635	16.272
6/29/07	12:00	28.775	38.642	16.274
6/29/07	16:00	28.731	38.564	16.208
6/29/07	20:00	28.689	38.534	16.201
6/30/07	0:00	28.703	38.571	16.239
6/30/07	4:00	28.689	38.536	16.197
6/30/07	8:00	28.677	38.531	16.197
6/30/07	12:00	28.682	38.517	16.187
6/30/07	16:00	28.649	38.473	16.155
6/30/07	20:00	28.612	38.447	16.14
7/1/07	0:00	28.64	38.508	16.197
7/1/07	4:00	28.637	38.494	16.18
7/1/07	8:00	28.649	38.513	16.199
7/1/07	12:00	28.675	38.522	16.206
7/1/07	16:00	28.656	38.487	16.171

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/1/07	20:00	28.626	38.463	16.155
7/2/07	0:00	28.64	38.503	16.192
7/2/07	4:00	28.656	38.499	16.185
7/2/07	8:00	28.644	38.48	16.169
7/2/07	12:00	28.637	38.459	16.155
7/2/07	16:00	28.6	38.405	16.119
7/2/07	20:00	28.558	38.374	16.101
7/3/07	0:00	28.572	38.421	16.145
7/3/07	4:00	28.537	38.344	16.077
7/3/07	8:00	28.512	38.342	16.087
7/3/07	12:00	28.523	38.351	16.101
7/3/07	16:00	28.498	38.29	16.047
7/3/07	20:00	28.453	38.269	16.052
7/4/07	0:00	28.458	38.285	16.073
7/4/07	4:00	28.453	38.281	16.07
7/4/07	8:00	28.474	38.32	16.112
7/4/07	12:00	28.493	38.311	16.094
7/4/07	16:00	28.495	38.306	16.087
7/4/07	20:00	28.481	38.295	16.084
7/5/07	0:00	28.495	38.325	16.112
7/5/07	4:00	28.507	38.327	16.112
7/5/07	8:00	28.533	38.37	16.152
7/5/07	12:00	28.568	38.395	16.169
7/5/07	16:00	28.558	38.356	16.126
7/5/07	20:00	28.519	38.325	16.108
7/6/07	0:00	28.542	38.372	16.15
7/6/07	4:00	28.54	38.351	16.131
7/6/07	8:00	28.547	38.367	16.145
7/6/07	12:00	28.542	38.339	16.119
7/6/07	16:00	28.493	38.264	16.061
7/6/07	20:00	28.439	38.21	16.024
7/7/07	0:00	28.411	38.206	16.035
7/7/07	4:00	28.388	38.173	16.01
7/7/07	8:00	28.365	38.149	15.998
7/7/07	12:00	28.332	38.1	15.967
7/7/07	16:00	28.285	38.037	15.925
7/7/07	20:00	28.241	38.002	15.914
7/8/07	0:00	28.225	38.02	15.937
7/8/07	4:00	28.22	38.018	15.937
7/8/07	8:00	28.225	38.027	15.953
7/8/07	12:00	28.222	38.004	15.935
7/8/07	16:00	28.206	37.971	15.909

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/8/07	20:00	28.176	37.943	15.897
7/9/07	0:00	28.183	37.964	15.923
7/9/07	4:00	28.197	37.981	15.939
7/9/07	8:00	28.255	38.046	15.989
7/9/07	12:00	28.29	38.102	16.038
7/9/07	16:00	28.297	38.07	15.991
7/9/07	20:00	28.267	38.037	15.967
7/10/07	0:00	28.274	38.079	16.01
7/10/07	4:00	28.29	38.098	16.024
7/10/07	8:00	28.299	38.098	16.021
7/10/07	12:00	28.369	38.182	16.094
7/10/07	16:00	28.423	38.217	16.113
7/10/07	20:00	28.428	38.224	16.105
7/11/07	0:00	28.484	38.316	16.18
7/11/07	4:00	28.528	38.339	16.187
7/11/07	8:00	28.568	38.391	16.225
7/11/07	12:00	28.607	38.405	16.222
7/11/07	16:00	28.568	38.323	16.143
7/11/07	20:00	28.519	38.274	16.11
7/12/07	0:00	28.528	38.311	16.15
7/12/07	4:00	28.509	38.276	16.115
7/12/07	8:00	28.512	38.278	16.117
7/12/07	12:00	28.563	38.309	16.117
7/12/07	16:00	28.579	38.29	16.063
7/12/07	20:00	28.584	38.325	16.08
7/13/07	0:00	28.626	38.398	16.136
7/13/07	4:00	28.633	38.395	16.131
7/13/07	8:00	28.644	38.431	16.173
7/13/07	12:00	28.705	38.454	16.169
7/13/07	16:00	28.714	38.424	16.11
7/13/07	20:00	28.644	38.365	16.061
7/14/07	0:00	28.593	38.33	16.045
7/14/07	4:00	28.537	38.262	16.003
7/14/07	8:00	28.502	38.243	16.012
7/14/07	12:00	28.477	38.208	15.998
7/14/07	16:00	28.449	38.184	15.998
7/14/07	20:00	28.428	38.182	16.007
7/15/07	0:00	28.449	38.231	16.054
7/15/07	4:00	28.449	38.217	16.042
7/15/07	8:00	28.472	38.259	16.091
7/15/07	12:00	28.495	38.269	16.091
7/15/07	16:00	28.467	38.217	16.047

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/15/07	20:00	28.418	38.159	16.01
7/16/07	0:00	28.43	38.18	16.031
7/16/07	4:00	28.439	38.213	16.07
7/16/07	8:00	28.444	38.22	16.08
7/16/07	12:00	28.507	38.259	16.108
7/16/07	16:00	28.53	38.238	16.049
7/16/07	20:00	28.526	38.264	16.073
7/17/07	0:00	28.519	38.271	16.077
7/17/07	4:00	28.514	38.267	16.08
7/17/07	8:00	28.507	38.269	16.094
7/17/07	12:00	28.563	38.299	16.105
7/17/07	16:00	28.598	38.292	16.061
7/17/07	20:00	28.57	38.292	16.052
7/18/07	0:00	28.579	38.332	16.096
7/18/07	4:00	28.579	38.33	16.101
7/18/07	8:00	28.561	38.316	16.103
7/18/07	12:00	28.554	38.311	16.112
7/18/07	16:00	28.505	38.231	16.059
7/18/07	20:00	28.47	38.206	16.061
7/19/07	0:00	28.453	38.201	16.07
7/19/07	4:00	28.523	38.306	16.185
7/19/07	8:00	28.514	38.318	16.18
7/19/07	12:00	28.591	38.388	16.239
7/19/07	16:00	28.605	38.365	16.211
7/19/07	20:00	28.593	38.351	16.204
7/20/07	0:00	28.628	38.398	16.248
7/20/07	4:00	28.647	38.398	16.244
7/20/07	8:00	28.668	38.428	16.272
7/20/07	12:00	28.684	38.424	16.262
7/20/07	16:00	28.654	38.365	16.211
7/20/07	20:00	28.626	38.346	16.206
7/21/07	0:00	28.642	38.381	16.241
7/21/07	4:00	28.658	38.395	16.251
7/21/07	8:00	28.679	38.417	16.269
7/21/07	12:00	28.693	38.419	16.272
7/21/07	16:00	28.689	38.398	16.246
7/21/07	20:00	28.654	38.363	16.232
7/22/07	0:00	28.668	38.398	16.262
7/22/07	4:00	28.665	38.381	16.244
7/22/07	8:00	28.675	38.4	16.26
7/22/07	12:00	28.684	38.398	16.258
7/22/07	16:00	28.668	38.358	16.222

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/22/07	20:00	28.633	38.342	16.218
7/23/07	0:00	28.626	38.349	16.22
7/23/07	4:00	28.626	38.344	16.213
7/23/07	8:00	28.612	38.323	16.199
7/23/07	12:00	28.626	38.36	16.237
7/23/07	16:00	28.61	38.304	16.183
7/23/07	20:00	28.568	38.267	16.159
7/24/07	0:00	28.572	38.297	16.194
7/24/07	4:00	28.577	38.295	16.19
7/24/07	8:00	28.591	38.318	16.211
7/24/07	12:00	28.596	38.306	16.201
7/24/07	16:00	28.565	38.257	16.159
7/24/07	20:00	28.54	38.238	16.155
7/25/07	0:00	28.54	38.257	16.173
7/25/07	4:00	28.556	38.276	16.192
7/25/07	8:00	28.575	38.297	16.211
7/25/07	12:00		38.295	16.393
7/25/07	16:00		38.259	16.166
7/25/07	20:00		38.255	16.173
7/26/07	0:00		38.276	16.204
7/26/07	4:00		38.267	16.204
7/26/07	8:00		38.288	16.215
7/26/07	12:00		38.299	16.199
7/26/07	16:00		38.295	16.171
7/26/07	20:00		38.255	16.134
7/27/07	0:00	28.712	38.306	16.194
7/27/07	4:00	28.698	38.346	16.234
7/27/07	8:00	28.679	38.358	16.244
7/27/07	12:00	28.714	38.41	16.288
7/27/07	16:00	28.712	38.393	16.269
7/27/07	20:00	28.696	38.374	16.255
7/28/07	0:00	28.712	38.414	16.295
7/28/07	4:00	28.71	38.41	16.288
7/28/07	8:00	28.724	38.435	16.311
7/28/07	12:00	28.749	38.452	16.321
7/28/07	16:00	28.733	38.417	16.293
7/28/07	20:00	28.714	38.405	16.288
7/29/07	0:00	28.733	38.447	16.33
7/29/07	4:00	28.724	38.424	16.309
7/29/07	8:00	28.735	38.447	16.325
7/29/07	12:00	28.754	38.463	16.335
7/29/07	16:00	28.761	38.449	16.311

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
7/29/07	20:00	28.74	38.433	16.304
7/30/07	0:00	28.763	38.471	16.337
7/30/07	4:00	28.768	38.468	16.33
7/30/07	8:00	28.78	38.496	16.358
7/30/07	12:00	28.845	38.541	16.365
7/30/07	16:00	28.896	38.546	16.318
7/30/07	20:00	28.908	38.585	16.339
7/31/07	0:00	28.938	38.644	16.382
7/31/07	4:00	28.95	38.653	16.389
7/31/07	8:00	28.936	38.642	16.384
7/31/07	12:00	28.99	38.682	16.4
7/31/07	16:00	29.025	38.665	16.344
7/31/07	20:00	29.015	38.668	16.337
8/1/07	0:00	29.011	38.696	16.37
8/1/07	4:00	28.997	38.686	16.372
8/1/07	8:00	28.978	38.674	16.375
8/1/07	12:00	29.025	38.714	16.403
8/1/07	16:00	29.062	38.7	16.356
8/1/07	20:00	29.055	38.693	16.337
8/2/07	0:00	29.053	38.782	16.449
8/2/07	4:00	29.057	38.768	16.435
8/2/07	8:00	29.067	38.785	16.461
8/2/07	12:00	29.123	38.834	16.494
8/2/07	16:00	29.162	38.832	16.461
8/2/07	20:00	29.146	38.834	16.463
8/3/07	0:00	29.155	38.869	16.503
8/3/07	4:00	29.165	38.874	16.515
8/3/07	8:00	29.162	38.885	16.534
8/3/07	12:00	29.213	38.907	16.536
8/3/07	16:00	29.239	38.881	16.477
8/3/07	20:00	29.19	38.843	16.447
8/4/07	0:00	29.165	38.834	16.449
8/4/07	4:00	29.109	38.764	16.403
8/4/07	8:00	29.053	38.731	16.407
8/4/07	12:00	29.02	38.686	16.382
8/4/07	16:00	28.964	38.621	16.358
8/4/07	20:00	28.92	38.585	16.353
8/5/07	0:00	28.906	38.585	16.377
8/5/07	4:00	28.882	38.557	16.363
8/5/07	8:00	28.882	38.576	16.393
8/5/07	12:00	28.892	38.597	16.419
8/5/07	16:00	28.899	38.585	16.417

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/5/07	20:00	28.885	38.578	16.419
8/6/07	0:00	28.896	38.597	16.442
8/6/07	4:00	28.899	38.597	16.445
8/6/07	8:00	28.903	38.606	16.452
8/6/07	12:00	28.917	38.651	16.503
8/6/07	16:00	28.882	38.538	16.389
8/6/07	20:00	28.833	38.499	16.37
8/7/07	0:00	28.831	38.553	16.447
8/7/07	4:00	28.878	38.578	16.449
8/7/07	8:00	28.889	38.583	16.442
8/7/07	12:00	28.922	38.637	16.491
8/7/07	16:00	28.945	38.653	16.501
8/7/07	20:00	28.927	38.616	16.473
8/8/07	0:00	28.934	38.623	16.478
8/8/07	4:00	28.908	38.571	16.419
8/8/07	8:00	28.92	38.621	16.475
8/8/07	12:00	29.172	38.663	16.461
8/8/07	16:00	29.071	38.583	16.33
8/8/07	20:00	28.983	38.541	16.311
8/9/07	0:00	28.878	38.606	16.391
8/9/07	4:00	28.878	38.621	16.403
8/9/07	8:00	28.861	38.67	16.459
8/9/07	12:00	28.938	38.698	16.482
8/9/07	16:00	29.015	38.672	16.466
8/9/07	20:00	28.999	38.658	16.463
8/10/07	0:00	29.022	38.705	16.517
8/10/07	4:00	29.356	38.726	16.463
8/10/07	8:00	29.048	38.667	16.342
8/10/07	12:00	29.06	38.632	16.309
8/10/07	16:00	28.922	38.55	16.26
8/10/07	20:00	28.873	38.499	16.248
8/11/07	0:00	28.843	38.475	16.258
8/11/07	4:00	28.824	38.449	16.258
8/11/07	8:00	28.824	38.445	16.269
8/11/07	12:00	28.798	38.405	16.255
8/11/07	16:00	28.819	38.426	16.29
8/11/07	20:00	28.812	38.433	16.314
8/12/07	0:00	28.857	38.494	16.372
8/12/07	4:00	28.889	38.529	16.407
8/12/07	8:00	28.924	38.571	16.445
8/12/07	12:00	28.969	38.595	16.456
8/12/07	16:00	28.95	38.562	16.433

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/12/07	20:00	29.011	38.583	16.433
8/13/07	0:00	28.955	38.564	16.386
8/13/07	4:00	28.931	38.546	16.358
8/13/07	8:00	28.906	38.522	16.342
8/13/07	12:00	28.943	38.513	16.33
8/13/07	16:00	28.994	38.428	16.269
8/13/07	20:00	28.901	38.381	16.258
8/14/07	0:00	28.843	38.36	16.244
8/14/07	4:00	28.796	38.349	16.248
8/14/07	8:00	28.763	38.358	16.267
8/14/07	12:00	28.761	38.358	16.279
8/14/07	16:00	28.747	38.337	16.276
8/14/07	20:00	28.717	38.299	16.248
8/15/07	0:00	28.707	38.302	16.255
8/15/07	4:00	28.682	38.267	16.232
8/15/07	8:00	28.693	38.299	16.272
8/15/07	12:00	28.712	38.316	16.288
8/15/07	16:00	28.726	38.342	16.314
8/15/07	20:00	28.735	38.344	16.314
8/16/07	0:00	28.763	38.395	16.356
8/16/07	4:00	28.787	38.426	16.382
8/16/07	8:00	28.861	38.541	16.478
8/16/07	12:00	28.88	38.546	16.482
8/16/07	16:00	28.931	38.564	16.473
8/16/07	20:00	28.929	38.567	16.473
8/17/07	0:00	28.966	38.623	16.52
8/17/07	4:00	28.994	38.632	16.515
8/17/07	8:00	29.004	38.656	16.534
8/17/07	12:00	29.015	38.649	16.52
8/17/07	16:00	29.006	38.618	16.489
8/17/07	20:00	28.964	38.569	16.449
8/18/07	0:00	28.971	38.609	16.492
8/18/07	4:00	28.948	38.567	16.456
8/18/07	8:00	28.948	38.581	16.466
8/18/07	12:00	28.941	38.555	16.442
8/18/07	16:00	28.894	38.485	16.389
8/18/07	20:00	28.854	38.461	16.389
8/19/07	0:00	28.859	38.475	16.398
8/19/07	4:00	28.861	38.496	16.426
8/19/07	8:00	28.889	38.529	16.454
8/19/07	12:00	28.91	38.541	16.459
8/19/07	16:00	28.868	38.459	16.396

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/19/07	20:00	28.826	38.424	16.382
8/20/07	0:00	28.84	38.459	16.421
8/20/07	4:00	28.826	38.435	16.398
8/20/07	8:00	28.831	38.452	16.419
8/20/07	12:00	28.84	38.459	16.431
8/20/07	16:00	28.833	38.433	16.405
8/20/07	20:00	29.311	38.506	16.494
8/21/07	0:00	28.917	38.531	16.478
8/21/07	4:00	28.887	38.548	16.466
8/21/07	8:00	28.871	38.604	16.508
8/21/07	12:00	28.948	38.595	16.485
8/21/07	16:00	28.997	38.525	16.421
8/21/07	20:00	28.857	38.52	16.442
8/22/07	0:00	28.843	38.616	16.522
8/22/07	4:00	28.882	38.585	16.492
8/22/07	8:00	28.875	38.618	16.522
8/22/07	12:00	28.92	38.656	16.562
8/22/07	16:00	28.987	38.632	16.524
8/22/07	20:00	28.978	38.604	16.506
8/23/07	0:00	29.069	38.609	16.489
8/23/07	4:00	28.962	38.56	16.431
8/23/07	8:00	28.913	38.536	16.414
8/23/07	12:00	28.936	38.468	16.361
8/23/07	16:00	28.92	38.489	16.386
8/23/07	20:00	28.873	38.492	16.398
8/24/07	0:00	29.095	38.496	16.382
8/24/07	4:00	28.917	38.494	16.302
8/24/07	8:00	28.808	38.513	16.29
8/24/07	12:00	28.854	38.543	16.297
8/24/07	16:00	28.889	38.499	16.267
8/24/07	20:00	28.84	38.527	16.311
8/25/07	0:00	28.857	38.543	16.33
8/25/07	4:00	28.852	38.585	16.374
8/25/07	8:00	28.875	38.623	16.412
8/25/07	12:00	28.962	38.635	16.417
8/25/07	16:00	29.034	38.585	16.377
8/25/07	20:00	28.999	38.557	16.368
8/26/07	0:00	28.973	38.564	16.382
8/26/07	4:00	28.964	38.557	16.384
8/26/07	8:00	28.959	38.567	16.398
8/26/07	12:00	29.008	38.527	16.363
8/26/07	16:00	28.962	38.438	16.297

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
8/26/07	20:00	28.885	38.398	16.288
8/27/07	0:00	28.845	38.421	16.318
8/27/07	4:00	28.843	38.41	16.314
8/27/07	8:00	28.836	38.41	16.318
8/27/07	12:00	28.875	38.428	16.342
8/27/07	16:00	28.906	38.431	16.346
8/27/07	20:00	28.868	38.435	16.361
8/28/07	0:00	28.838	38.51	16.424
8/28/07	4:00	28.859	38.52	16.431
8/28/07	8:00	28.868	38.55	16.454
8/28/07	12:00	28.936	38.578	16.48
8/28/07	16:00	29.004	38.555	16.456
8/28/07	20:00	29.468	38.606	16.499
8/29/07	0:00	29.374	38.742	16.569
8/29/07	4:00	29.22	38.705	16.339
8/29/07	8:00	29.102	38.771	16.372
8/29/07	12:00	29.09	38.794	16.393
8/29/07	16:00	29.104	38.726	16.346
8/29/07	20:00	29.055	38.677	16.342
8/30/07	0:00	29.036	38.714	16.405
8/30/07	4:00	29.039	38.698	16.4
8/30/07	8:00	29.018	38.696	16.417
8/30/07	12:00	29.027	38.682	16.41
8/30/07	16:00	28.987	38.585	16.342
8/30/07	20:00	28.882	38.517	16.311
8/31/07	0:00	28.836	38.529	16.342
8/31/07	4:00	28.838	38.517	16.344
8/31/07	8:00	28.826	38.531	16.368
8/31/07	12:00	28.882	38.546	16.389
8/31/07	16:00	28.927	38.485	16.339
8/31/07	20:00	28.868	38.447	16.328
9/1/07	0:00	28.829	38.475	16.361
9/1/07	4:00	28.836	38.492	16.379
9/1/07	8:00	28.822	38.513	16.403
9/1/07	12:00	28.901	38.52	16.403
9/1/07	16:00	28.971	38.461	16.351
9/1/07	20:00	28.92	38.424	16.337
9/2/07	0:00	28.934	38.466	16.382
9/2/07	4:00	28.943	38.473	16.386
9/2/07	8:00	28.957	38.503	16.421
9/2/07	12:00	28.985	38.52	16.426
9/2/07	16:00	28.959	38.48	16.398

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/2/07	20:00	28.945	38.473	16.403
9/3/07	0:00	28.973	38.524	16.452
9/3/07	4:00	28.983	38.531	16.449
9/3/07	8:00	28.997	38.56	16.473
9/3/07	12:00	29.015	38.564	16.475
9/3/07	16:00	28.985	38.506	16.424
9/3/07	20:00	28.941	38.473	16.407
9/4/07	0:00	28.938	38.485	16.424
9/4/07	4:00	28.92	38.463	16.407
9/4/07	8:00	28.92	38.48	16.428
9/4/07	12:00	28.929	38.478	16.428
9/4/07	16:00	28.894	38.419	16.384
9/4/07	20:00	28.859	38.391	16.379
9/5/07	0:00	28.861	38.41	16.4
9/5/07	4:00	28.861	38.405	16.393
9/5/07	8:00	28.866	38.428	16.419
9/5/07	12:00	28.882	38.438	16.421
9/5/07	16:00	28.854	38.381	16.377
9/5/07	20:00	28.831	38.37	16.382
9/6/07	0:00	28.868	38.438	16.442
9/6/07	4:00	28.871	38.433	16.431
9/6/07	8:00	28.882	38.449	16.449
9/6/07	12:00	28.892	38.442	16.435
9/6/07	16:00	28.847	38.381	16.396
9/6/07	20:00	28.819	38.358	16.379
9/7/07	0:00	28.801	38.377	16.398
9/7/07	4:00	28.882	38.499	16.503
9/7/07	8:00	28.976	38.606	16.585
9/7/07	12:00	29.083	38.705	16.646
9/7/07	16:00	29.118	38.714	16.637
9/7/07	20:00	29.148	38.747	16.665
9/8/07	0:00	29.193	38.789	16.688
9/8/07	4:00	29.197	38.773	16.669
9/8/07	8:00	29.195	38.773	16.66
9/8/07	12:00	29.193	38.759	16.646
9/8/07	16:00	29.167	38.712	16.604
9/8/07	20:00	29.165	38.731	16.627
9/9/07	0:00	29.23	38.836	16.726
9/9/07	4:00	29.293	38.897	16.763
9/9/07	8:00	29.353	38.972	16.821
9/9/07	12:00	29.416	39.019	16.835
9/9/07	16:00	29.407	38.965	16.768

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/9/07	20:00	29.384	38.968	16.789
9/10/07	0:00	29.423	39.003	16.805
9/10/07	4:00	29.416	38.991	16.798
9/10/07	8:00	29.433	39.019	16.824
9/10/07	12:00	29.451	39.036	16.835
9/10/07	16:00	29.454	39.026	16.812
9/10/07	20:00	29.43	38.991	16.791
9/11/07	0:00	29.442	39.012	16.81
9/11/07	4:00	29.412	38.961	16.765
9/11/07	8:00	29.374	38.923	16.74
9/11/07	12:00	29.409	38.984	16.798
9/11/07	16:00	29.398	38.953	16.768
9/11/07	20:00	29.405	38.975	16.8
9/12/07	0:00	29.442	39.017	16.833
9/12/07	4:00	29.449	39.014	16.833
9/12/07	8:00	29.449	39.019	16.833
9/12/07	12:00	29.456	39	16.8
9/12/07	16:00	29.414	38.925	16.728
9/12/07	20:00	29.349	38.864	16.69
9/13/07	0:00	29.351	38.897	16.728
9/13/07	4:00	29.339	38.885	16.726
9/13/07	8:00	29.325	38.869	16.718
9/13/07	12:00	29.337	38.895	16.742
9/13/07	16:00	29.36	38.928	16.782
9/13/07	20:00	29.393	38.975	16.826
9/14/07	0:00	29.479	39.082	16.913
9/14/07	4:00	29.552	39.162	16.962
9/14/07	8:00	29.64	39.263	17.032
9/14/07	12:00	29.715	39.322	17.062
9/14/07	16:00	29.724	39.303	17.023
9/14/07	20:00	29.727	39.312	17.037
9/15/07	0:00	29.776	39.375	17.083
9/15/07	4:00	29.794	39.383	17.079
9/15/07	8:00	29.792	39.378	17.069
9/15/07	12:00	29.792	39.357	17.039
9/15/07	16:00	29.71	39.249	16.948
9/15/07	20:00	29.654	39.204	16.927
9/16/07	0:00	29.631	39.188	16.924
9/16/07	4:00	29.598	39.146	16.892
9/16/07	8:00	29.58	39.136	16.896
9/16/07	12:00	29.559	39.106	16.871
9/16/07	16:00	29.484	38.993	16.784

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/16/07	20:00	29.454	38.984	16.8
9/17/07	0:00	29.423	38.958	16.789
9/17/07	4:00	29.409	38.951	16.796
9/17/07	8:00	29.416	38.972	16.819
9/17/07	12:00	29.428	38.977	16.817
9/17/07	16:00	29.4	38.93	16.782
9/17/07	20:00	29.391	38.937	16.803
9/18/07	0:00	29.428	39.005	16.878
9/18/07	4:00	29.461	39.029	16.885
9/18/07	8:00	29.468	39.061	16.906
9/18/07	12:00	29.491	39.078	16.908
9/18/07	16:00	29.491	39.059	16.873
9/18/07	20:00	29.484	39.104	16.908
9/19/07	0:00	29.584	39.24	16.95
9/19/07	4:00	29.636	39.261	16.92
9/19/07	8:00	29.687	39.319	16.955
9/19/07	12:00	29.729	39.343	16.962
9/19/07	16:00	29.71	39.282	16.899
9/19/07	20:00	29.671	39.232	16.88
9/20/07	0:00	29.668	39.225	16.878
9/20/07	4:00	29.645	39.183	16.85
9/20/07	8:00	29.617	39.143	16.821
9/20/07	12:00	29.57	39.073	16.77
9/20/07	16:00	29.477	38.961	16.693
9/20/07	20:00	29.414	38.907	16.674
9/21/07	0:00	29.416	38.942	16.716
9/21/07	4:00	29.388	38.9	16.681
9/21/07	8:00	29.37	38.888	16.683
9/21/07	12:00	29.358	38.874	16.676
9/21/07	16:00	29.409	38.977	16.782
9/21/07	20:00	29.475	39.05	16.835
9/22/07	0:00	29.58	39.167	16.924
9/22/07	4:00	29.636	39.211	16.945
9/22/07	8:00	29.692	39.27	16.985
9/22/07	12:00	29.722	39.279	16.974
9/22/07	16:00	29.675	39.204	16.901
9/22/07	20:00	29.645	39.181	16.892
9/23/07	0:00	29.645	39.188	16.901
9/23/07	4:00	29.638	39.174	16.892
9/23/07	8:00	29.638	39.186	16.903
9/23/07	12:00	29.64	39.174	16.892
9/23/07	16:00	29.584	39.094	16.826

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/23/07	20:00	29.554	39.078	16.826
9/24/07	0:00	29.547	39.078	16.828
9/24/07	4:00	29.542	39.08	16.833
9/24/07	8:00	29.531	39.061	16.812
9/24/07	12:00	29.531	39.071	16.828
9/24/07	16:00	29.505	39.038	16.8
9/24/07	20:00	29.512	39.066	16.838
9/25/07	0:00	29.535	39.256	16.99
9/25/07	4:00	29.647	39.298	16.976
9/25/07	8:00	29.71	39.35	16.978
9/25/07	12:00	29.762	39.38	16.985
9/25/07	16:00	29.752	39.331	16.924
9/25/07	20:00	29.743	39.317	16.922
9/26/07	0:00	29.773	39.35	16.955
9/26/07	4:00	29.762	39.308	16.917
9/26/07	8:00	29.748	39.296	16.917
9/26/07	12:00	29.738	39.265	16.887
9/26/07	16:00	29.673	39.176	16.814
9/26/07	20:00	29.64	39.16	16.824
9/27/07	0:00	29.643	39.169	16.835
9/27/07	4:00	29.657	39.188	16.852
9/27/07	8:00	29.671	39.214	16.878
9/27/07	12:00	29.717	39.265	16.917
9/27/07	16:00	29.71	39.244	16.892
9/27/07	20:00	29.736	39.289	16.943
9/28/07	0:00	29.799	39.366	17.004
9/28/07	4:00	29.834	39.392	17.016
9/28/07	8:00	29.866	39.432	17.039
9/28/07	12:00	29.885	39.422	17.02
9/28/07	16:00	29.801	39.286	16.896
9/28/07	20:00	29.731	39.237	16.875
9/29/07	0:00	29.736	39.263	16.906
9/29/07	4:00	29.708	39.235	16.892
9/29/07	8:00	29.71	39.244	16.899
9/29/07	12:00	29.717	39.24	16.892
9/29/07	16:00	29.68	39.179	16.85
9/29/07	20:00	29.652	39.167	16.845
9/30/07	0:00	29.65	39.193	16.885
9/30/07	4:00	29.664	39.186	16.866
9/30/07	8:00	29.633	39.146	16.833
9/30/07	12:00	29.624	39.141	16.835
9/30/07	16:00	29.582	39.108	16.819

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
9/30/07	20:00	29.687	39.279	16.981
10/1/07	0:00	29.822	39.422	17.083
10/1/07	4:00	29.913	39.509	17.133
10/1/07	8:00	29.978	39.568	17.163
10/1/07	12:00	30.016	39.575	17.142
10/1/07	16:00	29.955	39.474	17.046
10/1/07	20:00	29.887	39.397	16.992
10/2/07	0:00	29.843	39.352	16.964
10/2/07	4:00	29.764	39.254	16.889
10/2/07	8:00	29.682	39.155	16.821
10/2/07	12:00	29.603	39.113	16.798
10/2/07	16:00	29.647	39.228	16.906
10/2/07	20:00	29.743	39.331	16.978
10/3/07	0:00	29.822	39.401	17.025
10/3/07	4:00	29.852	39.408	17.016
10/3/07	8:00	29.88	39.434	17.037
10/3/07	12:00	29.894	39.422	17.018
10/3/07	16:00	29.834	39.329	16.931
10/3/07	20:00	29.787	39.286	16.917
10/4/07	0:00	29.799	39.31	16.941
10/4/07	4:00	29.789	39.293	16.927
10/4/07	8:00	29.796	39.315	16.948
10/4/07	12:00	29.824	39.345	16.969
10/4/07	16:00	29.78	39.27	16.908
10/4/07	20:00	29.769	39.275	16.917
10/5/07	0:00	29.799	39.324	16.962
10/5/07	4:00	29.815	39.338	16.957
10/5/07	8:00	29.822	39.352	16.974
10/5/07	12:00	29.824	39.343	16.95
10/5/07	16:00	29.801	39.308	16.917
10/5/07	20:00	29.808	39.34	16.948
10/6/07	0:00	29.862	39.404	16.995
10/6/07	4:00	29.883	39.408	16.99
10/6/07	8:00	29.894	39.425	17.009
10/6/07	12:00	29.913	39.434	17.006
10/6/07	16:00	29.885	39.394	16.969
10/6/07	20:00	29.88	39.404	16.985
10/7/07	0:00	29.887	39.406	16.983
10/7/07	4:00	29.906	39.434	17.002
10/7/07	8:00	29.932	39.469	17.027
10/7/07	12:00	29.974	39.511	17.051
10/7/07	16:00	29.974	39.502	17.044

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/7/07	20:00	30.011	39.554	17.086
10/8/07	0:00	30.023	39.584	17.109
10/8/07	4:00	30.011	39.584	17.039
10/8/07	8:00	30.067	39.664	17.037
10/8/07	12:00	30.102	39.68	17.002
10/8/07	16:00	30.067	39.619	16.936
10/8/07	20:00	30.076	39.636	16.955
10/9/07	0:00	30.123	39.68	16.988
10/9/07	4:00	30.13	39.669	16.976
10/9/07	8:00	30.151	39.692	16.999
10/9/07	12:00	30.184	39.715	17.013
10/9/07	16:00	30.158	39.669	16.974
10/9/07	20:00	30.158	39.676	16.992
10/10/07	0:00	30.174	39.687	17.002
10/10/07	4:00	30.184	39.694	17.009
10/10/07	8:00	30.186	39.699	17.009
10/10/07	12:00	30.2	39.708	17.016
10/10/07	16:00	30.146	39.631	16.948
10/10/07	20:00	30.118	39.619	16.955
10/11/07	0:00	30.128	39.633	16.969
10/11/07	4:00	30.137	39.65	16.978
10/11/07	8:00	30.149	39.657	16.99
10/11/07	12:00	30.144	39.633	16.957
10/11/07	16:00	30.065	39.526	16.868
10/11/07	20:00	30.018	39.502	16.871
10/12/07	0:00	30.023	39.521	16.889
10/12/07	4:00	30.006	39.507	16.88
10/12/07	8:00	29.992	39.493	16.878
10/12/07	12:00	29.997	39.495	16.875
10/12/07	16:00	29.934	39.408	16.81
10/12/07	20:00	29.908	39.408	16.831
10/13/07	0:00	29.911	39.418	16.812
10/13/07	4:00	29.883	39.387	16.756
10/13/07	8:00	29.845	39.364	16.702
10/13/07	12:00	29.848	39.361	16.676
10/13/07	16:00	29.803	39.296	16.618
10/13/07	20:00	29.81	39.305	16.625
10/14/07	0:00	29.817	39.312	16.625
10/14/07	4:00	29.717	39.291	16.627
10/14/07	8:00	29.799	39.329	16.641
10/14/07	12:00	29.792	39.265	16.559
10/14/07	16:00	29.724	39.291	16.559

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/14/07	20:00	29.717	39.27	16.456
10/15/07	0:00	29.689	39.218	16.248
10/15/07	4:00	29.629	39.101	16.059
10/15/07	8:00	29.587	39.073	16.005
10/15/07	12:00	29.552	39.031	15.965
10/15/07	16:00	29.503	38.965	15.914
10/15/07	20:00	29.503	38.979	15.946
10/16/07	0:00	29.493	38.965	15.946
10/16/07	4:00	29.482	38.939	15.937
10/16/07	8:00	29.484	38.953	15.965
10/16/07	12:00	29.51	38.982	15.996
10/16/07	16:00	29.468	38.909	15.935
10/16/07	20:00	29.442	38.89	15.946
10/17/07	0:00	29.426	38.864	15.935
10/17/07	4:00	29.353	38.759	15.855
10/17/07	8:00	29.281	38.698	15.832
10/17/07	12:00	29.179	38.621	15.769
10/17/07	16:00	29.011	38.435	15.598
10/17/07	20:00	28.955	38.372	15.504
10/18/07	0:00	28.875	38.297	15.436
10/18/07	4:00	28.773	38.18	15.35
10/18/07	8:00	28.724	38.154	15.352
10/18/07	12:00	28.745	38.217	15.436
10/18/07	16:00	28.824	38.325	15.537
10/18/07	20:00	28.934	38.463	15.659
10/19/07	0:00	29.027	38.548	15.71
10/19/07	4:00	29.076	38.59	15.736
10/19/07	8:00	29.125	38.646	15.776
10/19/07	12:00	29.202	38.731	15.836
10/19/07	16:00	29.197	38.705	15.804
10/19/07	20:00	29.204	38.71	15.811
10/20/07	0:00	29.206	38.703	15.806
10/20/07	4:00	29.162	38.651	15.764
10/20/07	8:00	29.148	38.644	15.769
10/20/07	12:00	29.123	38.597	15.726
10/20/07	16:00	28.992	38.433	15.595
10/20/07	20:00	28.962	38.442	15.635
10/21/07	0:00	28.924	38.4	15.602
10/21/07	4:00	28.91	38.405	15.633
10/21/07	8:00	29.004	38.574	15.818
10/21/07	12:00	29.16	38.745	15.953
10/21/07	16:00	29.29	38.9	16.073

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/21/07	20:00	29.449	39.073	16.197
10/22/07	0:00	29.556	39.143	16.225
10/22/07	4:00	29.636	39.242	16.293
10/22/07	8:00	29.692	39.291	16.314
10/22/07	12:00	29.731	39.315	16.323
10/22/07	16:00	29.671	39.216	16.22
10/22/07	20:00	29.654	39.221	16.239
10/23/07	0:00	29.638	39.195	16.22
10/23/07	4:00	29.596	39.146	16.192
10/23/07	8:00	29.573	39.134	16.19
10/23/07	12:00	29.568	39.139	16.194
10/23/07	16:00	29.503	39.052	16.129
10/23/07	20:00	29.498	39.08	16.183
10/24/07	0:00	29.561	39.172	16.274
10/24/07	4:00	29.652	39.279	16.368
10/24/07	8:00	29.727	39.352	16.417
10/24/07	12:00	29.785	39.394	16.438
10/24/07	16:00	29.743	39.315	16.36
10/24/07	20:00	29.722	39.305	16.37
10/25/07	0:00	29.717	39.3	16.37
10/25/07	4:00	29.685	39.261	16.344
10/25/07	8:00	29.661	39.24	16.337
10/25/07	12:00	29.654	39.23	16.332
10/25/07	16:00	29.545	39.087	16.22
10/25/07	20:00	29.498	39.071	16.237
10/26/07	0:00	29.496	39.075	16.253
10/26/07	4:00	29.479	39.064	16.253
10/26/07	8:00	29.475	39.071	16.272
10/26/07	12:00	29.507	39.111	16.311
10/26/07	16:00	29.493	39.094	16.302
10/26/07	20:00	29.519	39.143	16.36
10/27/07	0:00	29.582	39.226	16.431
10/27/07	4:00	29.659	39.315	16.501
10/27/07	8:00	29.738	39.404	16.566
10/27/07	12:00	29.836	39.507	16.632
10/27/07	16:00	29.841	39.481	16.601
10/27/07	20:00	29.857	39.504	16.627
10/28/07	0:00	29.887	39.53	16.644
10/28/07	4:00	29.901	39.542	16.651
10/28/07	8:00	29.897	39.535	16.648
10/28/07	12:00	29.911	39.535	16.639
10/28/07	16:00	29.822	39.418	16.548

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
10/28/07	20:00	29.764	39.378	16.538
10/29/07	0:00	29.736	39.354	16.531
10/29/07	4:00	29.703	39.312	16.506
10/29/07	8:00	29.664	39.279	16.499
10/29/07	12:00	29.645	39.263	16.492
10/29/07	16:00	29.563	39.153	16.419
10/29/07	20:00	29.503	39.101	16.4
10/30/07	0:00	29.472	39.071	16.389
10/30/07	4:00	29.421	39.01	16.356
10/30/07	8:00	29.377	38.975	16.346
10/30/07	12:00	29.337	38.925	16.311
10/30/07	16:00	29.237	38.799	16.227
10/30/07	20:00	29.174	38.757	16.227
10/31/07	0:00	29.183	38.799	16.279
10/31/07	4:00	29.269	38.928	16.398
10/31/07	8:00	29.393	39.082	16.524
10/31/07	12:00	29.526	39.216	16.613
10/31/07	16:00	29.552	39.211	16.597
10/31/07	20:00	29.584	39.251	16.627
11/1/07	0:00	29.617	39.279	16.644
11/1/07	4:00	29.619	39.27	16.627
11/1/07	8:00	29.601	39.244	16.606
11/1/07	12:00	29.589	39.232	16.59
11/1/07	16:00	29.491	39.089	16.475
11/1/07	20:00	29.421	39.038	16.452
11/2/07	0:00	29.419	39.057	16.477
11/2/07	4:00	29.393	39.029	16.463
11/2/07	8:00	29.398	39.061	16.51
11/2/07	12:00	29.479	39.174	16.604
11/2/07	16:00	29.512	39.193	16.62
11/2/07	20:00	29.561	39.256	16.676
11/3/07	0:00	29.612	39.3	16.702
11/3/07	4:00	29.617	39.289	16.688
11/3/07	8:00	29.608	39.27	16.674
11/3/07	12:00	29.575	39.218	16.618
11/3/07	16:00	29.444	39.047	16.496
11/3/07	20:00	29.379	39.014	16.496
11/4/07	0:00	29.388	39.047	16.534
11/4/07	4:00	29.402	39.068	16.55
11/4/07	8:00	29.395	39.047	16.538
11/4/07	12:00	29.356	38.989	16.489
11/4/07	16:00	29.239	38.839	16.379

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/4/07	20:00	29.158	38.761	16.342
11/5/07	0:00	29.137	38.775	16.377
11/5/07	4:00	29.141	38.803	16.412
11/5/07	8:00	29.281	39.021	16.611
11/5/07	12:00	29.44	39.179	16.714
11/5/07	16:00	29.489	39.195	16.714
11/5/07	20:00	29.561	39.286	16.782
11/6/07	0:00	29.643	39.373	16.835
11/6/07	4:00	29.692	39.406	16.84
11/6/07	8:00	29.722	39.446	16.861
11/6/07	12:00	29.773	39.49	16.885
11/6/07	16:00	29.729	39.415	16.817
11/6/07	20:00	29.703	39.392	16.803
11/7/07	0:00	29.699	39.387	16.8
11/7/07	4:00	29.652	39.336	16.763
11/7/07	8:00	29.596	39.258	16.707
11/7/07	12:00	29.498	39.125	16.599
11/7/07	16:00	29.351	38.975	16.51
11/7/07	20:00	29.293	38.944	16.51
11/8/07	0:00	29.29	38.97	16.55
11/8/07	4:00	29.304	38.998	16.58
11/8/07	8:00	29.314	39.005	16.59
11/8/07	12:00	29.339	39.026	16.599
11/8/07	16:00	29.302	38.965	16.559
11/8/07	20:00	29.302	38.996	16.594
11/9/07	0:00	29.325	39.021	16.62
11/9/07	4:00	29.349	39.059	16.658
11/9/07	8:00	29.412	39.141	16.725
11/9/07	12:00	29.47	39.19	16.751
11/9/07	16:00	29.463	39.155	16.716
11/9/07	20:00	29.454	39.15	16.721
11/10/07	0:00	29.456	39.15	16.718
11/10/07	4:00	29.442	39.129	16.7
11/10/07	8:00	29.407	39.092	16.676
11/10/07	12:00	29.356	39.014	16.613
11/10/07	16:00	29.22	38.843	16.489
11/10/07	20:00	29.169	38.825	16.496
11/11/07	0:00	29.144	38.806	16.491
11/11/07	4:00	29.134	38.803	16.503
11/11/07	8:00	29.134	38.822	16.524
11/11/07	12:00	29.16	38.848	16.548
11/11/07	16:00	29.146	38.815	16.52

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/11/07	20:00	29.202	38.918	16.62
11/12/07	0:00	29.302	39.029	16.707
11/12/07	4:00	29.379	39.12	16.777
11/12/07	8:00	29.477	39.23	16.854
11/12/07	12:00	29.582	39.326	16.903
11/12/07	16:00	29.598	39.31	16.875
11/12/07	20:00	29.61	39.324	16.885
11/13/07	0:00	29.594	39.279	16.833
11/13/07	4:00	29.526	39.197	16.763
11/13/07	8:00	29.456	39.118	16.707
11/13/07	12:00	29.358	39.005	16.625
11/13/07	16:00	29.193	38.801	16.484
11/13/07	20:00	29.146	38.813	16.531
11/14/07	0:00	29.239	38.963	16.667
11/14/07	4:00	29.323	39.059	16.742
11/14/07	8:00	29.428	39.174	16.824
11/14/07	12:00	29.51	39.247	16.863
11/14/07	16:00	29.512	39.232	16.847
11/14/07	20:00	29.596	39.354	16.943
11/15/07	0:00	29.682	39.439	16.99
11/15/07	4:00	29.731	39.476	17.002
11/15/07	8:00	29.752	39.497	17.011
11/15/07	12:00	29.78	39.514	17.004
11/15/07	16:00	29.692	39.385	16.894
11/15/07	20:00	29.619	39.296	16.833
11/16/07	0:00	29.54	39.204	16.768
11/16/07	4:00	29.423	39.068	16.679
11/16/07	8:00	29.325	38.991	16.643
11/16/07	12:00	29.286	38.958	16.623
11/16/07	16:00	29.241	38.921	16.606
11/16/07	20:00	29.255	38.958	16.655
11/17/07	0:00	29.272	38.977	16.676
11/17/07	4:00	29.297	39.005	16.695
11/17/07	8:00	29.328	39.052	16.742
11/17/07	12:00	29.393	39.132	16.8
11/17/07	16:00	29.398	39.113	16.775
11/17/07	20:00	29.449	39.195	16.847
11/18/07	0:00	29.503	39.247	16.88
11/18/07	4:00	29.533	39.265	16.889
11/18/07	8:00	29.533	39.244	16.868
11/18/07	12:00	29.538	39.263	16.887
11/18/07	16:00	29.486	39.179	16.805

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/18/07	20:00	29.486	39.202	16.838
11/19/07	0:00	29.491	39.207	16.84
11/19/07	4:00	29.461	39.153	16.798
11/19/07	8:00	29.412	39.115	16.779
11/19/07	12:00	29.409	39.12	16.784
11/19/07	16:00	29.379	39.068	16.746
11/19/07	20:00	29.381	39.085	16.77
11/20/07	0:00	29.386	39.082	16.768
11/20/07	4:00	29.358	39.047	16.744
11/20/07	8:00	29.353	39.061	16.768
11/20/07	12:00	29.391	39.113	16.812
11/20/07	16:00	29.456	39.197	16.882
11/20/07	20:00	29.563	39.322	16.973
11/21/07	0:00	29.636	39.383	17.006
11/21/07	4:00	29.692	39.446	17.039
11/21/07	8:00	29.738	39.509	17.088
11/21/07	12:00	29.81	39.577	17.121
11/21/07	16:00	29.836	39.594	17.123
11/21/07	20:00	29.894	39.664	17.165
11/22/07	0:00	29.948	39.713	17.198
11/22/07	4:00	29.976	39.741	17.205
11/22/07	8:00	30.006	39.776	17.224
11/22/07	12:00	30.06	39.837	17.264
11/22/07	16:00	30.051	39.805	17.226
11/22/07	20:00	30.065	39.828	17.249
11/23/07	0:00	30.083	39.84	17.252
11/23/07	4:00	30.058	39.795	17.212
11/23/07	8:00	30.016	39.748	17.184
11/23/07	12:00	29.997	39.737	17.172
11/23/07	16:00	29.901	39.598	17.069
11/23/07	20:00	29.862	39.582	17.072
11/24/07	0:00	29.852	39.579	17.076
11/24/07	4:00	29.841	39.568	17.074
11/24/07	8:00	29.824	39.565	17.083
11/24/07	12:00	29.831	39.558	17.076
11/24/07	16:00	29.792	39.509	17.046
11/24/07	20:00	29.783	39.504	17.048
11/25/07	0:00	29.762	39.495	17.048
11/25/07	4:00	29.71	39.413	16.99
11/25/07	8:00	29.673	39.371	16.966
11/25/07	12:00	29.652	39.354	16.957
11/25/07	16:00	29.605	39.305	16.929

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
11/25/07	20:00	29.587	39.308	16.945
11/26/07	0:00	29.617	39.34	16.978
11/26/07	4:00	29.657	39.399	17.03
11/26/07	8:00	29.717	39.479	17.095
11/26/07	12:00	29.806	39.577	17.163
11/26/07	16:00	29.836	39.594	17.17
11/26/07	20:00	29.89	39.655	17.207
11/27/07	0:00	29.908	39.652	17.196
11/27/07	4:00	29.913	39.664	17.212
11/27/07	8:00	29.957	39.72	17.247
11/27/07	12:00	29.981	39.727	17.24
11/27/07	16:00	29.871	39.537	17.072
11/27/07	20:00	29.722	39.401	16.994
11/28/07	0:00	29.657	39.317	16.931
11/28/07	4:00	29.573	39.256	16.906
11/28/07	8:00	29.619	39.378	17.034
11/28/07	12:00	29.736	39.514	17.132
11/28/07	16:00	29.813	39.575	17.17
11/28/07	20:00	29.89	39.678	17.252
11/29/07	0:00	29.976	39.744	17.28
11/29/07	4:00	29.985	39.73	17.254
11/29/07	8:00	29.983	39.73	17.257
11/29/07	12:00	29.967	39.697	17.226
11/29/07	16:00	29.887	39.577	17.123
11/29/07	20:00	29.831	39.547	17.116
11/30/07	0:00	29.873	39.643	17.212
11/30/07	4:00	30.018	39.833	17.364
11/30/07	8:00	30.13	39.931	17.416
11/30/07	12:00	30.216	40.004	17.446
11/30/07	16:00	30.186	39.931	17.371
11/30/07	20:00	30.142	39.873	17.32
12/1/07	0:00	30.083	39.793	17.261
12/1/07	4:00	29.957	39.629	17.14
12/1/07	8:00	29.787	39.436	16.999
12/1/07	12:00	29.591	39.218	16.863
12/1/07	16:00	29.353	38.946	16.688
12/1/07	20:00	29.353	39.08	16.849
12/2/07	0:00	29.468	39.216	16.952
12/2/07	4:00	29.566	39.326	17.034
12/2/07	8:00	29.694	39.49	17.156
12/2/07	12:00	29.85	39.655	17.261
12/2/07	16:00	29.971	39.769	17.322

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/2/07	20:00	30.114	39.924	17.42
12/3/07	0:00	30.216	40.02	17.476
12/3/07	4:00	30.221	39.971	17.409
12/3/07	8:00	30.216	39.948	17.383
12/3/07	12:00	30.17	39.875	17.32
12/3/07	16:00	30.016	39.676	17.175
12/3/07	20:00	29.955	39.645	17.165
12/4/07	0:00	29.934	39.626	17.156
12/4/07	4:00	29.873	39.556	17.109
12/4/07	8:00	29.838	39.523	17.1
12/4/07	12:00	29.783	39.46	17.069
12/4/07	16:00	29.661	39.291	16.929
12/4/07	20:00	29.587	39.249	16.934
12/5/07	0:00	29.575	39.256	16.95
12/5/07	4:00	29.687	39.443	17.123
12/5/07	8:00	29.873	39.673	17.292
12/5/07	12:00	30.041	39.842	17.394
12/5/07	16:00	30.065	39.8	17.331
12/5/07	20:00	30.083	39.823	17.343
12/6/07	0:00	30.062	39.776	17.303
12/6/07	4:00	29.997	39.673	17.219
12/6/07	8:00	29.96	39.645	17.203
12/6/07	12:00	29.918	39.61	17.179
12/6/07	16:00	29.831	39.507	17.104
12/6/07	20:00	29.841	39.554	17.158
12/7/07	0:00	29.892	39.612	17.205
12/7/07	4:00	29.934	39.666	17.249
12/7/07	8:00	29.981	39.722	17.292
12/7/07	12:00	30.023	39.755	17.313
12/7/07	16:00	30.032	39.758	17.306
12/7/07	20:00	30.083	39.833	17.373
12/8/07	0:00	30.151	39.908	17.418
12/8/07	4:00	30.205	39.95	17.441
12/8/07	8:00	30.242	40.006	17.483
12/8/07	12:00	30.326	40.093	17.535
12/8/07	16:00	30.317	40.046	17.483
12/8/07	20:00	30.331	40.084	17.509
12/9/07	0:00	30.354	40.109	17.533
12/9/07	4:00	30.345	40.079	17.5
12/9/07	8:00	30.34	40.086	17.514
12/9/07	12:00	30.37	40.119	17.528
12/9/07	16:00	30.333	40.053	17.472

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/9/07	20:00	30.317	40.039	17.467
12/10/07	0:00	30.314	40.041	17.469
12/10/07	4:00	30.286	40.001	17.444
12/10/07	8:00	30.254	39.98	17.427
12/10/07	12:00	30.256	39.971	17.423
12/10/07	16:00	30.202	39.905	17.38
12/10/07	20:00	30.181	39.887	17.369
12/11/07	0:00	30.167	39.889	17.38
12/11/07	4:00	30.142	39.873	17.378
12/11/07	8:00	30.132	39.842	17.352
12/11/07	12:00	30.205	39.943	17.425
12/11/07	16:00	30.198	39.924	17.427
12/11/07	20:00	30.261	40.03	17.514
12/12/07	0:00	30.319	40.06	17.523
12/12/07	4:00	30.352	40.093	17.544
12/12/07	8:00	30.359	40.091	17.533
12/12/07	12:00	30.361	40.095	17.542
12/12/07	16:00	30.277	39.955	17.418
12/12/07	20:00	30.214	39.905	17.387
12/13/07	0:00	30.172	39.858	17.362
12/13/07	4:00	30.13	39.814	17.327
12/13/07	8:00	30.139	39.863	17.387
12/13/07	12:00	30.221	39.966	17.469
12/13/07	16:00	30.235	39.957	17.453
12/13/07	20:00	30.277	40.02	17.507
12/14/07	0:00	30.331	40.074	17.549
12/14/07	4:00	30.373	40.123	17.584
12/14/07	8:00	30.414	40.163	17.605
12/14/07	12:00	30.461	40.205	17.628
12/14/07	16:00	30.428	40.13	17.551
12/14/07	20:00	30.424	40.154	17.575
12/15/07	0:00	30.419	40.13	17.554
12/15/07	4:00	30.389	40.109	17.544
12/15/07	8:00	30.335	40.027	17.476
12/15/07	12:00	30.326	40.034	17.488
12/15/07	16:00	30.247	39.926	17.406
12/15/07	20:00	30.233	39.934	17.425
12/16/07	0:00	30.223	39.931	17.43
12/16/07	4:00	30.23	39.948	17.446
12/16/07	8:00	30.249	39.973	17.469
12/16/07	12:00	30.289	40.02	17.507
12/16/07	16:00	30.296	40.018	17.5

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/16/07	20:00	30.312	40.039	17.518
12/17/07	0:00	30.326	40.048	17.526
12/17/07	4:00	30.317	40.032	17.509
12/17/07	8:00	30.305	40.016	17.49
12/17/07	12:00	30.312	40.023	17.5
12/17/07	16:00	30.235	39.901	17.399
12/17/07	20:00	30.179	39.873	17.402
12/18/07	0:00	30.163	39.84	17.364
12/18/07	4:00	30.116	39.793	17.341
12/18/07	8:00	30.118	39.823	17.376
12/18/07	12:00	30.193	39.926	17.462
12/18/07	16:00	30.221	39.941	17.465
12/18/07	20:00	30.279	40.02	17.533
12/19/07	0:00	30.331	40.067	17.558
12/19/07	4:00	30.347	40.069	17.554
12/19/07	8:00	30.34	40.046	17.521
12/19/07	12:00	30.356	40.067	17.544
12/19/07	16:00	30.282	39.945	17.439
12/19/07	20:00	30.242	39.915	17.42
12/20/07	0:00	30.216	39.894	17.411
12/20/07	4:00	30.174	39.851	17.383
12/20/07	8:00	30.163	39.851	17.399
12/20/07	12:00	30.202	39.908	17.444
12/20/07	16:00	30.188	39.873	17.406
12/20/07	20:00	30.195	39.891	17.427
12/21/07	0:00	30.191	39.882	17.418
12/21/07	4:00	30.195	39.891	17.427
12/21/07	8:00	30.179	39.863	17.404
12/21/07	12:00	30.177	39.858	17.394
12/21/07	16:00	30.097	39.748	17.313
12/21/07	20:00	30.111	39.802	17.373
12/22/07	0:00	30.17	39.887	17.441
12/22/07	4:00	30.289	40.051	17.577
12/22/07	8:00	30.391	40.154	17.642
12/22/07	12:00	30.498	40.252	17.706
12/22/07	16:00	30.461	40.161	17.603
12/22/07	20:00	30.466	40.17	17.61
12/23/07	0:00	30.435	40.13	17.572
12/23/07	4:00	30.433	40.14	17.589
12/23/07	8:00	30.44	40.152	17.6
12/23/07	12:00	30.48	40.205	17.642
12/23/07	16:00	30.505	40.224	17.656

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/23/07	20:00	30.557	40.295	17.713
12/24/07	0:00	30.606	40.332	17.729
12/24/07	4:00	30.631	40.351	17.743
12/24/07	8:00	30.643	40.358	17.741
12/24/07	12:00	30.666	40.377	17.75
12/24/07	16:00	30.624	40.304	17.678
12/24/07	20:00	30.573	40.257	17.645
12/25/07	0:00	30.545	40.22	17.617
12/25/07	4:00	30.505	40.182	17.591
12/25/07	8:00	30.508	40.21	17.624
12/25/07	12:00	30.554	40.264	17.668
12/25/07	16:00	30.522	40.208	17.621
12/25/07	20:00	30.561	40.283	17.696
12/26/07	0:00	30.606	40.318	17.717
12/26/07	4:00	30.62	40.316	17.706
12/26/07	8:00	30.622	40.334	17.731
12/26/07	12:00	30.634	40.332	17.722
12/26/07	16:00	30.61	40.299	17.694
12/26/07	20:00	30.631	40.344	17.734
12/27/07	0:00	30.662	40.37	17.75
12/27/07	4:00	30.69	40.405	17.778
12/27/07	8:00	30.732	40.461	17.816
12/27/07	12:00	30.792	40.517	17.844
12/27/07	16:00	30.774	40.473	17.799
12/27/07	20:00	30.774	40.489	17.818
12/28/07	0:00	30.771	40.473	17.802
12/28/07	4:00	30.755	40.454	17.778
12/28/07	8:00	30.694	40.377	17.729
12/28/07	12:00	30.704	40.398	17.748
12/28/07	16:00	30.68	40.367	17.724
12/28/07	20:00	30.699	40.405	17.755
12/29/07	0:00	30.722	40.426	17.778
12/29/07	4:00	30.729	40.428	17.776
12/29/07	8:00	30.725	40.416	17.771
12/29/07	12:00	30.743	40.44	17.79
12/29/07	16:00	30.704	40.377	17.731
12/29/07	20:00	30.699	40.393	17.752
12/30/07	0:00	30.704	40.393	17.748
12/30/07	4:00	30.671	40.351	17.717
12/30/07	8:00	30.617	40.276	17.659
12/30/07	12:00	30.603	40.278	17.668
12/30/07	16:00	30.557	40.227	17.635

TABLE S1.2 (Cont.)

Date	Time	Depth to Water (ft below top of casing) at Indicated Well		
		D2	WP49	SB65d
12/30/07	20:00	30.58	40.271	17.675
12/31/07	0:00	30.608	40.302	17.703
12/31/07	4:00	30.615	40.299	17.701
12/31/07	8:00	30.648	40.358	17.752
12/31/07	12:00	30.75	40.494	17.865
12/31/07	16:00	30.834	40.585	17.926
12/31/07	20:00	30.979	40.761	18.052

TABLE S1.3 Automatically measured water levels in headwaters area wells in 2007.

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
1/1/07	0:00	11.869	11.938	8.393	7.323	3.702	4.048	2.395	2.656
1/1/07	4:00	11.885	11.866	8.435	7.26	3.868	4.104	2.264	2.705
1/1/07	8:00	11.904	11.877	8.479	7.267	4.004	4.162	2.168	2.752
1/1/07	12:00	11.918	12.028	8.514	7.576	4.104	4.209	2.714	2.782
1/1/07	16:00	11.913	12.021	8.535	7.588	4.189	4.251	2.551	2.806
1/1/07	20:00	11.915	12.017	8.554	7.602	4.256	4.284	2.357	2.824
1/2/07	0:00	11.908	12.005	8.568	7.609	4.317	4.31	2.395	2.836
1/2/07	4:00	11.904	11.996	8.58	7.611	4.375	4.335	2.562	2.848
1/2/07	8:00	11.897	11.986	8.589	7.616	4.429	4.352	2.723	2.859
1/2/07	12:00	11.876	11.961	8.585	7.602	4.467	4.363	3.315	2.85
1/2/07	16:00	11.859	11.942	8.582	7.602	4.499	4.366	3.285	2.85
1/2/07	20:00	11.855	11.935	8.587	7.602	4.523	4.375	3.187	2.855
1/3/07	0:00	11.848	11.922	8.589	7.602	4.539	4.382	3.154	2.859
1/3/07	4:00	11.841	11.912	8.592	7.599	4.558	4.387	3.173	2.859
1/3/07	8:00	11.834	11.905	8.596	7.602	4.581	4.391	3.312	2.864
1/3/07	12:00	11.813	11.884	8.585	7.581	4.583	4.387	3.716	2.845
1/3/07	16:00	11.806	11.877	8.582	7.581	4.506	4.382	3.573	2.829
1/3/07	20:00	11.794	11.868	8.561	7.553	4.368	4.368	3.464	2.794
1/4/07	0:00	11.787	11.854	8.545	7.536	4.287	4.338	3.415	2.773
1/4/07	4:00	11.78	11.845	8.528	7.524	4.235	4.31	3.352	2.757
1/4/07	8:00	11.775	11.845	8.519	7.513	4.212	4.286	3.35	2.745
1/4/07	12:00	11.736	11.817	8.472	7.452	3.801	4.263	3.497	2.663
1/4/07	16:00	11.292	11.731	8.306	7.288	3.098	4.158	3.24	2.479
1/4/07	20:00	11.199	11.662	8.238	7.239	3.301	4.006	2.891	2.437
1/5/07	0:00	11.383	11.65	8.229	7.234	3.549	3.943	2.572	2.444
1/5/07	4:00	11.474	11.627	8.222	7.222	3.759	3.924	2.621	2.444
1/5/07	8:00	11.486	11.62	8.236	7.243	3.943	3.945	2.628	2.474
1/5/07	12:00	11.49	11.613	8.245	7.248	4	3.975	2.865	2.488
1/5/07	16:00	11.502	11.613	8.259	7.234	3.822	3.999	2.59	2.509
1/5/07	20:00	11.514	11.624	8.264	7.276	3.976	4.006	2.46	2.518
1/6/07	0:00	11.518	11.627	8.273	7.288	4.114	4.024	2.348	2.537
1/6/07	4:00	11.511	11.62	8.278	7.29	4.217	4.048	2.318	2.546
1/6/07	8:00	11.516	11.622	8.292	7.309	4.315	4.074	2.39	2.574
1/6/07	12:00	11.495	11.597	8.282	7.285	4.359	4.092	2.933	2.556
1/6/07	16:00	11.481	11.58	8.285	7.292	4.32	4.102	2.891	2.565
1/6/07	20:00	11.479	11.578	8.292	7.299	4.359	4.109	2.546	2.574
1/7/07	0:00	11.472	11.566	8.294	7.297	4.406	4.118	2.653	2.577
1/7/07	4:00	11.474	11.566	8.304	7.311	4.458	4.127	2.744	2.598
1/7/07	8:00	11.511	11.606	8.336	7.353	4.518	4.158	2.683	2.642
1/7/07	12:00	11.528	11.615	8.36	7.37	4.546	4.183	2.933	2.656
1/7/07	16:00	11.537	11.627	8.374	7.384	4.563	4.204	2.837	2.67
1/7/07	20:00	11.528	11.611	8.371	7.374	4.562	4.214	2.516	2.666
1/8/07	0:00	11.504	11.583	8.362	7.351	4.567	4.214	2.749	2.647
1/8/07	4:00	11.479	11.555	8.346	7.332	4.577	4.202	2.84	2.635
1/8/07	8:00	11.493	11.573	8.364	7.36	4.612	4.209	2.958	2.666
1/8/07	12:00	11.523	11.601	8.39	7.391	4.637	4.228	3.557	2.687
1/8/07	16:00	11.56	11.643	8.416	7.428	4.64	4.251	3.208	2.717
1/8/07	20:00	11.605	11.689	8.451	7.461	4.649	4.279	2.758	2.75
1/9/07	0:00	11.64	11.724	8.477	7.494	4.675	4.307	2.604	2.782
1/9/07	4:00	11.675	11.761	8.505	7.531	4.707	4.338	2.548	2.815
1/9/07	8:00	11.71	11.792	8.535	7.55	4.731	4.366	2.523	2.846
1/9/07	12:00	11.715	11.792	8.547	7.548	4.74	4.382	2.928	2.846
1/9/07	16:00	11.698	11.766	8.535	7.536	4.745	4.382	2.882	2.832
1/9/07	20:00	11.675	11.74	8.524	7.515	4.742	4.375	2.574	2.818

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
1/10/07	0:00	11.64	11.701	8.503	7.48	4.733	4.363	2.786	2.787
1/10/07	4:00	11.6	11.655	8.475	7.447	4.724	4.342	3.026	2.757
1/10/07	8:00	11.572	11.629	8.458	7.431	4.728	4.324	3.191	2.74
1/10/07	12:00	11.546	11.599	8.439	7.403	4.715	4.305	3.944	2.712
1/10/07	16:00	11.532	11.59	8.43	7.403	4.694	4.289	3.842	2.705
1/10/07	20:00	11.556	11.615	8.446	7.428	4.705	4.291	3.422	2.729
1/11/07	0:00	11.567	11.627	8.456	7.435	4.714	4.298	3.247	2.736
1/11/07	4:00	11.577	11.634	8.468	7.445	4.729	4.303	3.163	2.745
1/11/07	8:00	11.595	11.652	8.479	7.461	4.747	4.314	3.108	2.761
1/11/07	12:00	11.614	11.673	8.496	7.48	4.761	4.326	3.429	2.778
1/11/07	16:00	11.668	11.734	8.533	7.541	4.794	4.354	2.989	2.832
1/11/07	20:00	11.731	11.808	8.582	7.597	4.834	4.401	2.539	2.89
1/12/07	0:00	11.775	11.847	8.613	7.625	4.855	4.436	2.385	2.921
1/12/07	4:00	11.808	11.875	8.641	7.646	4.878	4.466	2.297	2.946
1/12/07	8:00	11.841	11.905	8.667	7.681	4.908	4.494	2.315	2.977
1/12/07	12:00	11.845	11.905	8.676	7.677	4.918	4.513	2.723	2.981
1/12/07	16:00	11.85	11.91	8.683	7.684	4.936	4.522	2.697	2.986
1/12/07	20:00	11.871	11.928	8.704	7.707	4.955	4.541	2.553	3.012
1/13/07	0:00	11.878	11.931	8.713	7.712	4.97	4.55	2.567	3.014
1/13/07	4:00	11.864	11.915	8.709	7.695	4.972	4.557	2.735	3.002
1/13/07	8:00	11.869	11.912	8.716	7.702	4.983	4.56	2.828	3.012
1/13/07	12:00	11.864	11.903	8.716	7.7	4.993	4.564	3.017	3.009
1/13/07	16:00	11.841	11.884	8.704	7.684	4.99	4.557	3.115	2.993
1/13/07	20:00	11.852	11.891	8.711	7.693	5	4.557	3.112	3.002
1/14/07	0:00	11.857	11.896	8.716	7.698	5.004	4.562	3.175	3.005
1/14/07	4:00	11.864	11.905	8.723	7.707	5.011	4.564	3.201	3.014
1/14/07	8:00	11.869	11.905	8.727	7.707	5.014	4.567	3.25	3.014
1/14/07	12:00	11.855	11.889	8.716	7.686	5.002	4.567	3.441	2.993
1/14/07	16:00	11.852	11.887	8.716	7.691	5.007	4.56	3.413	2.995
1/14/07	20:00	11.857	11.894	8.718	7.696	5.007	4.56	3.313	2.995
1/15/07	0:00	11.876	11.91	8.732	7.712	5.016	4.567	3.273	3.009
1/15/07	4:00	11.899	11.94	8.746	7.738	5.033	4.578	2.958	3.035
1/15/07	8:00	11.929	11.973	8.77	7.768	5.049	4.599	2.788	3.063
1/15/07	12:00	11.948	11.989	8.786	7.778	5.054	4.618	3.222	3.07
1/15/07	16:00	11.957	12	8.795	7.787	5.063	4.625	3.152	3.079
1/15/07	20:00	11.981	12.024	8.812	7.808	5.075	4.642	2.586	3.1
1/16/07	0:00	11.997	12.04	8.828	7.822	5.087	4.656	2.481	3.114
1/16/07	4:00	12.011	12.049	8.84	7.831	5.096	4.667	2.555	3.124
1/16/07	8:00	12.03	12.07	8.856	7.85	5.114	4.684	2.684	3.145
1/16/07	12:00	12.032	12.063	8.861	7.843	5.112	4.688	3.581	3.138
1/16/07	16:00	12.02	12.049	8.856	7.831	5.112	4.686	3.606	3.128
1/16/07	20:00	12.018	12.045	8.854	7.834	5.117	4.686	3.178	3.128
1/17/07	0:00	12.002	12.026	8.847	7.817	5.11	4.684	3.28	3.115
1/17/07	4:00	11.988	12.01	8.838	7.806	5.107	4.677	3.378	3.103
1/17/07	8:00	11.969	11.991	8.823	7.789	5.103	4.665	3.525	3.089
1/17/07	12:00	11.943	11.961	8.807	7.766	5.084	4.649	4.135	3.063
1/17/07	16:00	11.906	11.921	8.779	7.731	5.063	4.62	4.023	3.03
1/17/07	20:00	11.89	11.903	8.763	7.714	5.049	4.604	3.816	3.014
1/18/07	0:00	11.873	11.889	8.751	7.705	5.04	4.592	3.765	3
1/18/07	4:00	11.885	11.903	8.756	7.721	5.049	4.583	3.781	3.016
1/18/07	8:00	11.934	11.961	8.791	7.768	5.079	4.606	3.66	3.058
1/18/07	12:00	11.988	12.017	8.831	7.813	5.105	4.63	4.012	3.098
1/18/07	16:00	12.02	12.054	8.856	7.838	5.122	4.656	3.79	3.124
1/18/07	20:00	12.046	12.075	8.875	7.855	5.131	4.679	3.229	3.142

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
1/19/07	0:00	12.046	12.07	8.877	7.846	5.126	4.691	3.233	3.136
1/19/07	4:00	12.044	12.065	8.877	7.843	5.129	4.693	3.245	3.133
1/19/07	8:00	12.041	12.061	8.88	7.843	5.133	4.693	3.315	3.131
1/19/07	12:00	12.044	12.063	8.882	7.843	5.138	4.693	3.779	3.136
1/19/07	16:00	12.03	12.049	8.873	7.831	5.131	4.688	3.858	3.122
1/19/07	20:00	12.046	12.065	8.882	7.848	5.14	4.691	3.129	3.138
1/20/07	0:00	12.041	12.061	8.882	7.841	5.138	4.695	3.175	3.131
1/20/07	4:00	12.027	12.042	8.873	7.825	5.136	4.691	3.198	3.122
1/20/07	8:00	12.02	12.038	8.868	7.822	5.138	4.686	3.32	3.119
1/20/07	12:00	11.997	12.01	8.854	7.799	5.124	4.67	3.863	3.096
1/20/07	16:00	11.974	11.986	8.835	7.782	5.112	4.656	3.851	3.08
1/20/07	20:00	11.955	11.963	8.821	7.759	5.094	4.639	3.767	3.059
1/21/07	0:00	11.932	11.938	8.798	7.738	5.077	4.62	3.746	3.035
1/21/07	4:00	11.915	11.924	8.786	7.726	5.063	4.599	3.7	3.021
1/21/07	8:00	11.938	11.954	8.8	7.752	5.075	4.602	3.639	3.047
1/21/07	12:00	11.976	11.993	8.823	7.782	5.091	4.616	3.818	3.07
1/21/07	16:00	12.009	12.031	8.849	7.817	5.108	4.635	3.595	3.103
1/21/07	20:00	12.048	12.075	8.88	7.848	5.126	4.658	3.373	3.131
1/22/07	0:00	12.067	12.089	8.896	7.86	5.133	4.677	3.289	3.143
1/22/07	4:00	12.072	12.093	8.898	7.86	5.136	4.691	3.261	3.145
1/22/07	8:00	12.079	12.096	8.905	7.864	5.136	4.695	3.287	3.147
1/22/07	12:00	12.072	12.086	8.901	7.853	5.131	4.7	3.511	3.138
1/22/07	16:00	12.048	12.061	8.887	7.832	5.117	4.688	3.385	3.119
1/22/07	20:00	12.034	12.047	8.875	7.82	5.11	4.677	3.04	3.11
1/23/07	0:00	12.018	12.028	8.861	7.806	5.101	4.667	3.215	3.094
1/23/07	4:00	12.011	12.024	8.856	7.803	5.099	4.66	3.245	3.091
1/23/07	8:00	12.032	12.047	8.868	7.822	5.11	4.663	3.476	3.11
1/23/07	12:00	12.041	12.056	8.877	7.827	5.117	4.665	3.954	3.115
1/23/07	16:00	12.065	12.084	8.894	7.855	5.133	4.677	3.774	3.138
1/23/07	20:00	12.088	12.107	8.91	7.869	5.143	4.691	3.436	3.152
1/24/07	0:00	12.09	12.107	8.912	7.867	5.143	4.698	3.471	3.154
1/24/07	4:00	12.083	12.1	8.912	7.867	5.143	4.7	3.392	3.15
1/24/07	8:00	12.111	12.135	8.934	7.897	5.159	4.716	3.378	3.18
1/24/07	12:00	12.13	12.151	8.945	7.909	5.164	4.726	3.77	3.189
1/24/07	16:00	12.137	12.158	8.952	7.911	5.166	4.735	3.548	3.194
1/24/07	20:00	12.146	12.165	8.957	7.918	5.173	4.74	2.982	3.201
1/25/07	0:00	12.144	12.161	8.959	7.914	5.171	4.744	3.11	3.197
1/25/07	4:00	12.142	12.158	8.957	7.914	5.171	4.744	3.068	3.197
1/25/07	8:00	12.151	12.17	8.966	7.925	5.178	4.749	3.173	3.208
1/25/07	12:00	12.137	12.151	8.959	7.904	5.171	4.747	3.56	3.192
1/25/07	16:00	12.107	12.119	8.936	7.881	5.159	4.733	3.564	3.168
1/25/07	20:00	12.083	12.093	8.922	7.862	5.15	4.716	3.413	3.15
1/26/07	0:00	12.055	12.061	8.898	7.834	5.134	4.7	3.443	3.124
1/26/07	4:00	12.025	12.028	8.875	7.804	5.115	4.679	3.501	3.098
1/26/07	8:00	11.999	12.003	8.856	7.785	5.103	4.66	3.784	3.08
1/26/07	12:00	11.985	11.991	8.845	7.778	5.098	4.644	4.121	3.075
1/26/07	16:00	12.008	12.024	8.859	7.806	5.113	4.646	3.93	3.094
1/26/07	20:00	12.064	12.089	8.894	7.857	5.129	4.667	3.292	3.138
1/27/07	0:00	12.104	12.126	8.922	7.881	5.136	4.688	3.031	3.161
1/27/07	4:00	12.116	12.135	8.934	7.89	5.138	4.7	2.919	3.171
1/27/07	8:00	12.144	12.168	8.955	7.918	5.162	4.721	3.138	3.194
1/27/07	12:00	12.165	12.186	8.973	7.935	5.176	4.74	3.32	3.218
1/27/07	16:00	12.177	12.198	8.985	7.949	5.187	4.751	3.117	3.227
1/27/07	20:00	12.191	12.214	8.994	7.961	5.199	4.765	2.821	3.241

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
1/28/07	0:00	12.195	12.214	9.001	7.961	5.206	4.775	2.868	3.243
1/28/07	4:00	12.193	12.209	9.004	7.961	5.213	4.779	2.856	3.243
1/28/07	8:00	12.2	12.216	9.011	7.97	5.227	4.786	3.064	3.255
1/28/07	12:00	12.177	12.186	8.999	7.946	5.225	4.782	3.7	3.234
1/28/07	16:00	12.132	12.133	8.969	7.904	5.206	4.758	3.821	3.197
1/28/07	20:00	12.099	12.1	8.943	7.879	5.195	4.74	3.583	3.171
1/29/07	0:00	12.097	12.103	8.938	7.886	5.204	4.733	3.623	3.178
1/29/07	4:00	12.118	12.126	8.955	7.907	5.215	4.737	3.369	3.199
1/29/07	8:00	12.123	12.13	8.959	7.909	5.22	4.742	3.718	3.201
1/29/07	12:00	12.144	12.151	8.973	7.928	5.232	4.744	3.921	3.22
1/29/07	16:00	12.177	12.188	8.999	7.958	5.246	4.763	3.518	3.246
1/29/07	20:00	12.216	12.226	9.025	7.989	5.26	4.791	2.987	3.274
1/30/07	0:00	12.235	12.246	9.041	8.005	5.272	4.812	2.87	3.292
1/30/07	4:00	12.247	12.26	9.053	8.015	5.278	4.824	2.866	3.299
1/30/07	8:00	12.265	12.279	9.067	8.033	5.295	4.84	3.022	3.32
1/30/07	12:00	12.272	12.279	9.074	8.031	5.297	4.845	3.532	3.318
1/30/07	16:00	12.242	12.242	9.058	8.003	5.286	4.826	3.644	3.295
1/30/07	20:00	12.214	12.212	9.041	7.979	5.286	4.829	3.129	3.276
1/31/07	0:00	12.186	12.181	9.022	7.954	5.272	4.815	3.343	3.253
1/31/07	4:00	12.153	12.147	8.997	7.925	5.258	4.793	3.567	3.227
1/31/07	8:00	12.132	12.128	8.98	7.911	5.253	4.77	3.9	3.213
1/31/07	12:00	12.123	12.114	8.969	7.9	5.242	4.749	4.126	3.204
1/31/07	16:00	12.106	12.1	8.957	7.89	5.237	4.737	4.098	3.192
1/31/07	20:00	12.123	12.119	8.966	7.907	5.241	4.744	3.723	3.206
2/1/07	0:00	12.134	12.133	8.976	7.919	5.246	4.747	3.665	3.213
2/1/07	4:00	12.13	12.126	8.971	7.909	5.242	4.758	3.189	3.206
2/1/07	8:00	12.123	12.119	8.964	7.902	5.237	4.761	3.446	3.199
2/1/07	12:00	12.12	12.112	8.966	7.895	5.234	4.749	4.096	3.19
2/1/07	16:00	12.113	12.107	8.957	7.895	5.234	4.73	4.019	3.19
2/1/07	20:00	12.174	12.177	8.999	7.958	5.274	4.756	3.534	3.248
2/2/07	0:00	12.233	12.237	9.044	8.003	5.298	4.803	3.052	3.29
2/2/07	4:00	12.233	12.23	9.048	7.989	5.295	4.822	2.926	3.281
2/2/07	8:00	12.218	12.214	9.044	7.977	5.295	4.822	3.241	3.274
2/2/07	12:00	12.193	12.179	9.027	7.951	5.281	4.807	3.805	3.246
2/2/07	16:00	12.148	12.137	8.992	7.911	5.265	4.77	3.893	3.218
2/2/07	20:00	12.153	12.149	8.994	7.93	5.279	4.775	3.579	3.232
2/3/07	0:00	12.207	12.216	9.034	7.989	5.312	4.805	3.245	3.285
2/3/07	4:00	12.258	12.265	9.069	8.026	5.326	4.838	3.01	3.321
2/3/07	8:00	12.286	12.295	9.093	8.05	5.337	4.859	3.124	3.344
2/3/07	12:00	12.296	12.297	9.102	8.05	5.34	4.868	3.709	3.344
2/3/07	16:00	12.293	12.293	9.102	8.047	5.342	4.859	3.7	3.346
2/3/07	20:00	12.303	12.304	9.109	8.059	5.361	4.88	3.019	3.36
2/4/07	0:00	12.3	12.297	9.109	8.052	5.358	4.892	3.217	3.356
2/4/07	4:00	12.305	12.304	9.114	8.061	5.363	4.894	3.346	3.365
2/4/07	8:00	12.333	12.337	9.135	8.094	5.38	4.91	3.474	3.395
2/4/07	12:00	12.352	12.362	9.151	8.106	5.384	4.922	3.893	3.407
2/4/07	16:00	12.354	12.358	9.154	8.104	5.389	4.908	3.651	3.409
2/4/07	20:00	12.354	12.353	9.154	8.101	5.394	4.913	3.488	3.409
2/5/07	0:00	12.349	12.351	9.156	8.097	5.398	4.927	3.567	3.407
2/5/07	4:00	12.349	12.349	9.158	8.099	5.405	4.936	3.572	3.409
2/5/07	8:00	12.354	12.355	9.161	8.104	5.41	4.941	3.586	3.416
2/5/07	12:00	12.349	12.346	9.158	8.099	5.398	4.934	3.891	3.412
2/5/07	16:00	12.328	12.323	9.147	8.08	5.398	4.92	3.749	3.395
2/5/07	20:00	12.319	12.314	9.142	8.073	5.4	4.915	3.709	3.386

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
2/6/07	0:00	12.284	12.274	9.114	8.038	5.377	4.906	3.798	3.353
2/6/07	4:00	12.225	12.207	9.072	7.982	5.344	4.873	3.97	3.302
2/6/07	8:00	12.2	12.188	9.048	7.97	5.338	4.852	4.012	3.29
2/6/07	12:00	12.207	12.2	9.051	7.984	5.342	4.84	4.504	3.3
2/6/07	16:00	12.26	12.263	9.083	8.033	5.368	4.85	4.024	3.346
2/6/07	20:00	12.312	12.316	9.125	8.078	5.389	4.878	3.551	3.388
2/7/07	0:00	12.342	12.344	9.149	8.099	5.406	4.906	3.367	3.407
2/7/07	4:00	12.354	12.355	9.158	8.106	5.41	4.927	3.343	3.412
2/7/07	8:00	12.368	12.369	9.17	8.115	5.422	4.95	3.318	3.423
2/7/07	12:00	12.37	12.367	9.172	8.113	5.415	4.95	3.576	3.419
2/7/07	16:00	12.352	12.346	9.161	8.094	5.405	4.934	3.611	3.402
2/7/07	20:00	12.365	12.362	9.17	8.111	5.419	4.929	3.513	3.419
2/8/07	0:00	12.375	12.372	9.179	8.118	5.424	4.934	3.513	3.426
2/8/07	4:00	12.373	12.369	9.179	8.113	5.422	4.938	3.558	3.421
2/8/07	8:00	12.379	12.374	9.182	8.125	5.426	4.941	3.588	3.428
2/8/07	12:00	12.361	12.351	9.172	8.101	5.417	4.938	3.914	3.407
2/8/07	16:00	12.328	12.318	9.151	8.076	5.405	4.924	3.791	3.384
2/8/07	20:00	12.34	12.332	9.156	8.092	5.412	4.924	3.639	3.393
2/9/07	0:00	12.356	12.351	9.165	8.106	5.42	4.934	3.576	3.407
2/9/07	4:00	12.363	12.355	9.17	8.108	5.419	4.936	3.544	3.407
2/9/07	8:00	12.379	12.376	9.184	8.13	5.429	4.945	3.453	3.426
2/9/07	12:00	12.375	12.367	9.182	8.118	5.42	4.948	3.889	3.414
2/9/07	16:00	12.356	12.349	9.168	8.101	5.41	4.934	3.746	3.4
2/9/07	20:00	12.368	12.36	9.175	8.113	5.422	4.938	3.541	3.412
2/10/07	0:00	12.379	12.374	9.184	8.125	5.429	4.948	3.411	3.421
2/10/07	4:00	12.365	12.358	9.177	8.109	5.426	4.955	3.152	3.407
2/10/07	8:00	12.368	12.36	9.177	8.113	5.427	4.959	3.628	3.412
2/10/07	12:00	12.354	12.339	9.168	8.097	5.408	4.948	4.089	3.396
2/10/07	16:00	12.314	12.3	9.137	8.064	5.391	4.917	4.031	3.365
2/10/07	20:00	12.293	12.277	9.121	8.043	5.382	4.894	3.942	3.346
2/11/07	0:00	12.279	12.267	9.109	8.036	5.375	4.88	4.003	3.337
2/11/07	4:00	12.272	12.256	9.1	8.026	5.366	4.871	4.012	3.328
2/11/07	8:00	12.267	12.253	9.097	8.024	5.364	4.866	3.968	3.323
2/11/07	12:00	12.256	12.239	9.086	8.008	5.352	4.857	4.191	3.309
2/11/07	16:00	12.237	12.221	9.072	7.996	5.345	4.847	4.024	3.297
2/11/07	20:00	12.256	12.244	9.081	8.015	5.352	4.852	3.816	3.311
2/12/07	0:00	12.263	12.251	9.083	8.015	5.347	4.854	3.772	3.314
2/12/07	4:00	12.263	12.251	9.083	8.015	5.347	4.852	3.735	3.311
2/12/07	8:00	12.288	12.277	9.1	8.038	5.356	4.859	3.679	3.333
2/12/07	12:00	12.288	12.274	9.102	8.031	5.352	4.861	3.746	3.326
2/12/07	16:00	12.293	12.279	9.104	8.038	5.354	4.864	3.635	3.33
2/12/07	20:00	12.321	12.314	9.125	8.073	5.368	4.875	3.474	3.358
2/13/07	0:00	12.34	12.335	9.139	8.083	5.376	4.885	3.318	3.367
2/13/07	4:00	12.361	12.355	9.156	8.099	5.385	4.896	3.22	3.382
2/13/07	8:00	12.389	12.383	9.177	8.123	5.399	4.915	3.197	3.405
2/13/07	12:00	12.4	12.393	9.189	8.13	5.404	4.931	3.616	3.412
2/13/07	16:00	12.4	12.395	9.189	8.132	5.406	4.936	3.469	3.414
2/13/07	20:00	12.414	12.407	9.2	8.146	5.415	4.945	2.919	3.428
2/14/07	0:00	12.419	12.414	9.205	8.148	5.42	4.955	2.861	3.431
2/14/07	4:00	12.419	12.409	9.205	8.146	5.42	4.959	2.924	3.428
2/14/07	8:00	12.424	12.416	9.212	8.158	5.427	4.964	3.273	3.438
2/14/07	12:00	12.419	12.407	9.21	8.146	5.418	4.966	3.807	3.428
2/14/07	16:00	12.4	12.388	9.196	8.13	5.41	4.957	3.739	3.414
2/14/07	20:00	12.41	12.397	9.203	8.144	5.42	4.957	3.425	3.426

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
2/15/07	0:00	12.417	12.404	9.21	8.151	5.425	4.962	3.383	3.433
2/15/07	4:00	12.398	12.386	9.198	8.132	5.417	4.959	3.453	3.417
2/15/07	8:00	12.407	12.397	9.205	8.146	5.427	4.962	3.541	3.431
2/15/07	12:00	12.41	12.397	9.207	8.146	5.427	4.964	3.905	3.431
2/15/07	16:00	12.386	12.372	9.191	8.123	5.417	4.955	3.893	3.41
2/15/07	20:00	12.361	12.344	9.175	8.102	5.411	4.945	3.285	3.396
2/16/07	0:00	12.323	12.3	9.144	8.062	5.39	4.924	3.558	3.358
2/16/07	4:00	12.265	12.235	9.1	8.003	5.357	4.887	3.849	3.302
2/16/07	8:00	12.214	12.181	9.058	7.959	5.329	4.85	4.238	3.26
2/16/07	12:00	12.174	12.142	9.027	7.928	5.308	4.812	4.606	3.23
2/16/07	16:00	12.158	12.128	9.011	7.924	5.301	4.786	4.615	3.223
2/16/07	20:00	12.19	12.181	9.029	7.973	5.322	4.786	4.25	3.265
2/17/07	0:00	12.279	12.281	9.09	8.057	5.361	4.824	3.681	3.342
2/17/07	4:00	12.335	12.335	9.132	8.099	5.385	4.864	3.569	3.384
2/17/07	8:00	12.379	12.383	9.168	8.134	5.403	4.901	3.532	3.417
2/17/07	12:00	12.405	12.4	9.189	8.144	5.411	4.922	3.917	3.426
2/17/07	16:00	12.407	12.4	9.196	8.144	5.417	4.934	3.886	3.426
2/17/07	20:00	12.407	12.395	9.198	8.141	5.422	4.936	3.625	3.424
2/18/07	0:00	12.4	12.388	9.198	8.134	5.424	4.938	3.385	3.419
2/18/07	4:00	12.375	12.355	9.179	8.109	5.415	4.936	3.42	3.391
2/18/07	8:00	12.347	12.325	9.158	8.085	5.401	4.927	3.835	3.37
2/18/07	12:00	12.314	12.293	9.135	8.052	5.382	4.903	4.434	3.337
2/18/07	16:00	12.277	12.253	9.104	8.02	5.355	4.868	4.289	3.305
2/18/07	20:00	12.251	12.226	9.081	7.994	5.333	4.843	3.893	3.27
2/19/07	0:00	12.211	12.186	9.048	7.954	5.303	4.81	4.017	3.223
2/19/07	4:00	12.186	12.163	9.027	7.938	5.282	4.786	3.977	3.209
2/19/07	8:00	12.193	12.177	9.025	7.956	5.282	4.779	3.9	3.228
2/19/07	12:00	12.162	12.191	9.036	7.973	5.259	4.784	4.157	3.237
2/19/07	16:00	11.7	12.161	9.025	7.963	4.948	4.777	3.819	3.195
2/19/07	20:00	11.672	12.149	8.999	7.956	4.906	4.74	3.194	3.197
2/20/07	0:00	11.819	12.156	8.99	7.954	5.018	4.714	3.199	3.2
2/20/07	4:00	11.875	12.147	8.985	7.942	5.072	4.7	3.346	3.193
2/20/07	8:00	11.926	12.154	8.992	7.952	5.119	4.698	3.511	3.204
2/20/07	12:00	11.833	12.142	8.994	7.945	5.088	4.707	3.907	3.188
2/20/07	16:00	11.219	12.058	8.933	7.881	4.259	4.677	3.639	3.106
2/20/07	20:00	11.42	12.021	8.882	7.853	4.448	4.585	3.104	3.085
2/21/07	0:00	11.611	12.01	8.87	7.846	4.677	4.553	3.111	3.085
2/21/07	4:00	11.639	11.991	8.861	7.83	4.797	4.543	3.166	3.083
2/21/07	8:00	11.677	11.996	8.868	7.839	4.876	4.555	3.402	3.099
2/21/07	12:00	11.572	11.984	8.868	7.842	4.717	4.574	3.821	3.085
2/21/07	16:00	11.247	11.908	8.828	7.797	4.434	4.562	3.446	3.013
2/21/07	20:00	11.392	11.866	8.781	7.771	4.46	4.511	2.589	3.001
2/22/07	0:00	11.504	11.933	8.788	7.795	4.637	4.492	2.633	3.041
2/22/07	4:00	11.628	11.982	8.818	7.828	4.766	4.508	2.589	3.08
2/22/07	8:00	11.789	12.026	8.842	7.839	4.85	4.534	2.989	3.104
2/22/07	12:00	11.784	12.026	8.858	7.837	4.897	4.555	3.453	3.101
2/22/07	16:00	11.639	11.973	8.825	7.792	4.661	4.553	3.418	3.041
2/22/07	20:00	11.522	11.945	8.795	7.757	4.633	4.515	2.971	3.01
2/23/07	0:00	11.548	11.926	8.772	7.734	4.708	4.485	3.115	2.999
2/23/07	4:00	11.594	11.912	8.76	7.717	4.775	4.469	3.239	2.989
2/23/07	8:00	11.667	11.898	8.753	7.706	4.82	4.459	3.453	2.989
2/23/07	12:00	11.678	11.877	8.744	7.687	4.836	4.455	3.914	2.964
2/23/07	16:00	11.597	11.847	8.713	7.633	4.717	4.436	3.945	2.882
2/23/07	20:00	11.557	11.836	8.69	7.619	4.621	4.403	3.479	2.863

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
2/24/07	0:00	11.608	11.829	8.676	7.607	4.614	4.375	3.465	2.858
2/24/07	4:00	11.702	11.826	8.657	7.593	4.542	4.354	3.316	2.835
2/24/07	8:00	11.648	11.831	8.626	7.572	4.278	4.328	3.187	2.798
2/24/07	12:00	11.603	11.801	8.58	7.518	4.191	4.27	3.264	2.753
2/24/07	16:00	11.589	11.787	8.54	7.504	4.042	4.228	3.106	2.728
2/24/07	20:00	11.571	11.766	8.493	7.464	3.86	4.158	2.95	2.69
2/25/07	0:00	11.624	11.766	8.486	7.472	3.986	4.111	2.889	2.704
2/25/07	4:00	11.699	11.801	8.507	7.509	4.126	4.111	2.822	2.749
2/25/07	8:00	11.755	11.838	8.542	7.554	4.243	4.146	2.794	2.796
2/25/07	12:00	11.788	11.861	8.572	7.575	4.334	4.181	3.041	2.826
2/25/07	16:00	11.802	11.873	8.594	7.593	4.402	4.214	2.947	2.845
2/25/07	20:00	11.83	11.887	8.619	7.614	4.469	4.244	2.85	2.873
2/26/07	0:00	11.835	11.882	8.631	7.617	4.514	4.265	2.819	2.877
2/26/07	4:00	11.839	11.882	8.638	7.624	4.561	4.286	2.563	2.889
2/26/07	8:00	11.868	11.908	8.661	7.652	4.614	4.312	2.968	2.919
2/26/07	12:00	11.877	11.912	8.676	7.661	4.651	4.333	3.378	2.933
2/26/07	16:00	11.886	11.924	8.69	7.678	4.689	4.349	3.211	2.945
2/26/07	20:00	11.912	11.947	8.711	7.701	4.72	4.375	2.931	2.971
2/27/07	0:00	11.924	11.959	8.722	7.713	4.745	4.394	2.628	2.985
2/27/07	4:00	11.933	11.963	8.734	7.722	4.766	4.41	2.691	2.997
2/27/07	8:00	11.949	11.98	8.75	7.741	4.799	4.429	3.132	3.018
2/27/07	12:00	11.949	11.973	8.757	7.734	4.813	4.441	3.593	3.013
2/27/07	16:00	11.914	11.935	8.739	7.704	4.818	4.436	3.472	2.987
2/27/07	20:00	11.921	11.942	8.743	7.72	4.841	4.438	3.276	2.999
2/28/07	0:00	11.886	11.898	8.72	7.678	4.825	4.429	3.406	2.964
2/28/07	4:00	11.851	11.861	8.694	7.647	4.813	4.413	3.539	2.938
2/28/07	8:00	11.835	11.847	8.685	7.64	4.818	4.398	3.574	2.931
2/28/07	12:00	11.819	11.829	8.673	7.621	4.809	4.387	3.726	2.912
2/28/07	16:00	11.79	11.815	8.638	7.584	4.633	4.37	3.516	2.835
2/28/07	20:00	11.755	11.812	8.584	7.544	4.215	4.324	3.29	2.784
3/1/07	0:00	11.744	11.794	8.537	7.521	4.147	4.249	3.208	2.763
3/1/07	4:00	11.711	11.74	8.495	7.469	4.152	4.176	3.246	2.719
3/1/07	8:00	11.704	11.736	8.49	7.476	4.229	4.127	3.143	2.726
3/1/07	12:00	11.706	11.761	8.5	7.493	4.304	4.116	3.169	2.742
3/1/07	16:00	11.739	11.778	8.528	7.528	4.386	4.139	3.02	2.782
3/1/07	20:00	11.758	11.796	8.551	7.544	4.44	4.167	2.861	2.8
3/2/07	0:00	11.748	11.787	8.556	7.542	4.476	4.188	2.878	2.8
3/2/07	4:00	11.751	11.78	8.565	7.549	4.517	4.204	2.871	2.814
3/2/07	8:00	11.755	11.785	8.575	7.563	4.554	4.221	3.006	2.828
3/2/07	12:00	11.776	11.824	8.596	7.584	4.589	4.242	3.215	2.852
3/2/07	16:00	11.795	11.754	8.612	7.603	4.624	4.261	3.045	2.873
3/2/07	20:00	11.814	11.68	8.626	7.617	4.647	4.282	2.885	2.891
3/3/07	0:00	11.842	11.597	8.654	7.65	4.682	4.305	2.752	2.922
3/3/07	4:00	11.879	11.576	8.682	7.685	4.715	4.333	2.78	2.959
3/3/07	8:00	11.919	11.606	8.718	7.729	4.753	4.37	2.866	2.999
3/3/07	12:00	11.956	11.996	8.748	7.748	4.774	4.403	3.094	3.025
3/3/07	16:00	11.966	12.005	8.76	7.76	4.787	4.424	3.052	3.039
3/3/07	20:00	11.977	12.012	8.771	7.769	4.804	4.438	2.516	3.048
3/4/07	0:00	11.982	12.014	8.781	7.772	4.815	4.452	2.542	3.053
3/4/07	4:00	11.961	11.986	8.771	7.753	4.816	4.452	2.896	3.039
3/4/07	8:00	11.942	11.968	8.764	7.746	4.825	4.45	3.444	3.034
3/4/07	12:00	11.97	12	8.788	7.772	4.848	4.462	3.812	3.06
3/4/07	16:00	11.97	12	8.786	7.769	4.844	4.466	3.74	3.05
3/4/07	20:00	11.972	12	8.783	7.762	4.792	4.464	3.173	3.034

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
3/5/07	0:00	11.956	11.977	8.764	7.739	4.755	4.452	3.262	3.013
3/5/07	4:00	11.944	11.97	8.755	7.734	4.748	4.436	3.332	3.006
3/5/07	8:00	11.97	11.998	8.776	7.765	4.778	4.436	3.549	3.041
3/5/07	12:00	12.001	12.033	8.8	7.793	4.806	4.457	3.439	3.069
3/5/07	16:00	11.998	12.028	8.774	7.755	4.607	4.459	3.257	2.999
3/5/07	20:00	11.996	12.026	8.732	7.708	4.376	4.415	2.866	2.934
3/6/07	0:00	11.968	11.993	8.694	7.671	4.374	4.354	2.768	2.901
3/6/07	4:00	11.923	11.945	8.661	7.629	4.414	4.307	2.81	2.868
3/6/07	8:00	11.884	11.908	8.638	7.603	4.47	4.279	3.066	2.854
3/6/07	12:00	11.846	11.863	8.617	7.575	4.507	4.258	3.57	2.833
3/6/07	16:00	11.814	11.836	8.598	7.561	4.545	4.242	3.635	2.817
3/6/07	20:00	11.811	11.838	8.596	7.568	4.549	4.24	3.064	2.817
3/7/07	0:00	11.818	11.845	8.598	7.568	4.559	4.237	2.931	2.824
3/7/07	4:00	11.83	11.861	8.607	7.584	4.584	4.242	3.031	2.838
3/7/07	8:00	11.858	11.894	8.631	7.615	4.624	4.261	2.978	2.87
3/7/07	12:00	11.867	11.901	8.645	7.619	4.647	4.275	3.199	2.882
3/7/07	16:00	11.837	11.863	8.626	7.594	4.652	4.272	3.19	2.861
3/7/07	20:00	11.828	11.854	8.626	7.596	4.673	4.272	3.113	2.868
3/8/07	0:00	11.814	11.838	8.619	7.584	4.68	4.268	3.157	2.861
3/8/07	4:00	11.79	11.815	8.605	7.563	4.68	4.261	3.232	2.845
3/8/07	8:00	11.779	11.801	8.6	7.558	4.69	4.256	3.306	2.845
3/8/07	12:00	11.76	11.778	8.591	7.54	4.687	4.247	3.858	2.826
3/8/07	16:00	11.697	11.729	8.415	7.392	3.79	4.223	3.681	2.602
3/8/07	20:00	11.527	11.615	8.214	7.219	3.414	4.048	3.078	2.441
3/9/07	0:00	11.344	11.492	8.151	7.132	3.446	3.884	2.959	2.368
3/9/07	4:00	11.218	11.395	8.08	7.045	3.364	3.777	2.777	2.284
3/9/07	8:00	11.099	11.276	7.945	6.938	3.239	3.683	2.575	2.188
3/9/07	12:00	10.742	10.979	7.724	6.72	2.947	3.583	2.773	1.976
3/9/07	16:00	8.222	10.077	7.308	6.342	2.832	3.396	2.349	1.707
3/9/07	20:00	8.305	9.747	7.172	6.228	2.933	3.213	1.512	1.663
3/10/07	0:00	8.363	9.652	7.172	6.225	3.052	3.113	1.538	1.693
3/10/07	4:00	8.776	9.742	7.235	6.27	3.204	3.082	1.577	1.745
3/10/07	8:00	9.312	9.923	7.333	6.345	3.334	3.094	1.878	1.808
3/10/07	12:00	9.424	9.916	7.385	6.356	3.017	3.127	2.477	1.812
3/10/07	16:00	8.943	9.719	7.118	6.218	2.844	3.089	2.272	1.712
3/10/07	20:00	8.33	9.566	7.064	6.176	2.94	3.031	1.748	1.7
3/11/07	0:00	8.837	9.761	7.127	6.218	3.087	3.003	1.619	1.738
3/11/07	4:00	9.674	9.951	7.223	6.267	3.244	3.012	1.671	1.773
3/11/07	8:00	9.882	10.063	7.329	6.326	3.36	3.047	1.99	1.813
3/11/07	12:00	9.969	10.097	7.291	6.326	3.01	3.082	2.416	1.812
3/11/07	16:00	8.804	9.661	7.022	6.16	2.93	3.04	2.493	1.705
3/11/07	20:00	7.805	9.287	7.008	6.122	3.082	2.987	1.787	1.702
3/12/07	0:00	7.842	9.218	7.017	6.096	3.22	2.961	1.817	1.689
3/12/07	4:00	8.582	9.457	7.078	6.134	3.325	2.961	1.99	1.71
3/12/07	8:00	9.386	9.677	7.045	6.141	3.367	2.977	2.13	1.712
3/12/07	12:00	8.635	9.438	6.907	6.05	3.391	2.977	2.621	1.646
3/12/07	16:00	7.564	8.986	6.839	5.97	3.421	2.949	2.521	1.607
3/12/07	20:00	7.947	9.216	6.902	6.022	3.449	2.942	1.918	1.644
3/13/07	0:00	9.152	9.536	7.019	6.087	3.479	2.954	2.011	1.679
3/13/07	4:00	9.517	9.71	7.127	6.15	3.517	2.977	2.027	1.712
3/13/07	8:00	9.688	9.824	7.228	6.202	3.552	3.008	2.339	1.74
3/13/07	12:00	9.802	9.902	7.31	6.237	3.589	3.031	2.849	1.754
3/13/07	16:00	9.879	9.963	7.385	6.275	3.655	3.057	2.668	1.777
3/13/07	20:00	9.971	10.044	7.457	6.331	3.711	3.092	1.978	1.819

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
3/14/07	0:00	10.055	10.118	7.516	6.375	3.76	3.132	1.787	1.854
3/14/07	4:00	10.127	10.19	7.565	6.422	3.811	3.169	1.789	1.892
3/14/07	8:00	10.223	10.288	7.614	6.493	3.876	3.218	2.029	1.95
3/14/07	12:00	10.3	10.364	7.652	6.539	3.925	3.269	2.416	1.997
3/14/07	16:00	10.358	10.415	7.677	6.575	3.977	3.309	2.05	2.016
3/14/07	20:00	10.428	10.487	7.713	6.631	4.047	3.356	1.678	2.072
3/15/07	0:00	10.477	10.536	7.736	6.659	4.091	3.398	1.703	2.093
3/15/07	4:00	10.519	10.575	7.757	6.687	4.14	3.431	1.85	2.121
3/15/07	8:00	10.589	10.647	7.79	6.743	4.196	3.478	2.043	2.17
3/15/07	12:00	10.624	10.68	7.816	6.762	4.222	3.513	2.656	2.186
3/15/07	16:00	10.655	10.71	7.839	6.785	4.257	3.538	2.586	2.207
3/15/07	20:00	10.701	10.761	7.872	6.83	4.301	3.576	1.89	2.247
3/16/07	0:00	10.746	10.803	7.905	6.863	4.337	3.608	1.906	2.272
3/16/07	4:00	10.774	10.828	7.926	6.879	4.367	3.636	1.981	2.291
3/16/07	8:00	10.806	10.863	7.949	6.91	4.404	3.662	2.255	2.317
3/16/07	12:00	10.816	10.861	7.956	6.898	4.397	3.679	2.889	2.305
3/16/07	16:00	10.788	10.826	7.942	6.87	4.395	3.669	2.796	2.277
3/16/07	20:00	10.79	10.824	7.947	6.872	4.411	3.669	2.584	2.28
3/17/07	0:00	10.795	10.828	7.949	6.875	4.423	3.672	2.686	2.284
3/17/07	4:00	10.792	10.824	7.952	6.875	4.437	3.672	2.728	2.284
3/17/07	8:00	10.834	10.877	7.98	6.922	4.47	3.688	2.822	2.324
3/17/07	12:00	10.86	10.898	7.996	6.936	4.481	3.704	3.15	2.338
3/17/07	16:00	10.874	10.912	8.005	6.947	4.495	3.718	3.038	2.345
3/17/07	20:00	10.907	10.947	8.029	6.975	4.514	3.739	2.505	2.373
3/18/07	0:00	10.925	10.963	8.038	6.982	4.523	3.753	2.435	2.375
3/18/07	4:00	10.93	10.965	8.041	6.98	4.528	3.76	2.596	2.371
3/18/07	8:00	10.93	10.958	8.041	6.973	4.53	3.765	2.759	2.366
3/18/07	12:00	10.904	10.924	8.029	6.945	4.516	3.756	3.336	2.34
3/18/07	16:00	10.872	10.896	8.012	6.929	4.519	3.739	3.472	2.322
3/18/07	20:00	10.883	10.907	8.022	6.94	4.53	3.737	2.985	2.333
3/19/07	0:00	10.93	10.961	8.045	6.985	4.556	3.751	2.719	2.368
3/19/07	4:00	10.977	11.014	8.076	7.032	4.584	3.779	2.57	2.413
3/19/07	8:00	11.054	11.098	8.125	7.1	4.621	3.823	2.579	2.474
3/19/07	12:00	11.11	11.153	8.158	7.132	4.633	3.859	3.129	2.504
3/19/07	16:00	11.133	11.172	8.172	7.14	4.638	3.882	3.008	2.509
3/19/07	20:00	11.166	11.204	8.195	7.17	4.656	3.903	2.246	2.537
3/20/07	0:00	11.185	11.221	8.204	7.175	4.661	3.919	2.267	2.544
3/20/07	4:00	11.187	11.214	8.209	7.168	4.659	3.929	2.388	2.534
3/20/07	8:00	11.191	11.221	8.216	7.172	4.668	3.931	2.652	2.539
3/20/07	12:00	11.166	11.188	8.202	7.144	4.652	3.926	2.975	2.511
3/20/07	16:00	11.135	11.153	8.181	7.118	4.635	3.91	3.166	2.483
3/20/07	20:00	11.135	11.156	8.181	7.12	4.642	3.901	2.978	2.488
3/21/07	0:00	11.122	11.211	8.169	7.102	4.631	3.891	3.069	2.471
3/21/07	4:00	11.107	11.216	8.162	7.09	4.624	3.88	3.185	2.457
3/21/07	8:00	11.11	11.126	8.162	7.095	4.624	3.875	3.334	2.457
3/21/07	12:00	11.103	11.121	8.16	7.088	4.614	3.87	3.67	2.445
3/21/07	16:00	11.112	11.128	8.165	7.093	4.619	3.866	3.488	2.453
3/21/07	20:00	11.184	11.216	8.204	7.156	4.584	3.884	2.586	2.481
3/22/07	0:00	11.238	11.274	8.233	7.193	4.535	3.903	2.214	2.518
3/22/07	4:00	11.273	11.307	8.254	7.214	4.553	3.919	2.183	2.544
3/22/07	8:00	11.292	11.318	8.263	7.221	4.574	3.931	2.668	2.553
3/22/07	12:00	11.29	11.311	8.265	7.214	4.584	3.938	3.104	2.546
3/22/07	16:00	11.259	11.279	8.247	7.189	4.586	3.929	2.968	2.525
3/22/07	20:00	11.262	11.281	8.251	7.196	4.605	3.929	2.81	2.534

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
3/23/07	0:00	11.271	11.29	8.258	7.2	4.621	3.931	2.74	2.539
3/23/07	4:00	11.278	11.297	8.263	7.21	4.638	3.938	2.808	2.548
3/23/07	8:00	11.299	11.32	8.277	7.226	4.656	3.947	3.148	2.565
3/23/07	12:00	11.306	11.325	8.282	7.226	4.661	3.957	3.481	2.565
3/23/07	16:00	11.299	11.318	8.279	7.219	4.668	3.959	3.339	2.558
3/23/07	20:00	11.313	11.334	8.289	7.238	4.682	3.964	2.826	2.576
3/24/07	0:00	11.325	11.344	8.296	7.245	4.687	3.975	2.896	2.581
3/24/07	4:00	11.341	11.36	8.31	7.266	4.698	3.982	2.777	2.6
3/24/07	8:00	11.364	11.427	8.277	7.221	3.42	3.996	2.656	2.471
3/24/07	12:00	11.318	11.332	8.19	7.123	3.635	3.838	3.069	2.382
3/24/07	16:00	11.301	11.32	8.174	7.116	3.894	3.751	2.954	2.387
3/24/07	20:00	11.311	11.316	8.19	7.135	4.058	3.73	2.654	2.413
3/25/07	0:00	11.292	11.311	8.183	7.121	4.154	3.737	2.626	2.411
3/25/07	4:00	11.271	11.29	8.179	7.111	4.235	3.746	2.64	2.408
3/25/07	8:00	11.271	11.29	8.186	7.121	4.303	3.758	3.006	2.422
3/25/07	12:00	11.266	11.286	8.188	7.121	4.357	3.772	3.269	2.424
3/25/07	16:00	11.262	11.279	8.19	7.125	4.422	3.788	3.139	2.436
3/25/07	20:00	11.28	11.302	8.207	7.151	4.481	3.814	2.465	2.467
3/26/07	0:00	11.297	11.318	8.221	7.165	4.513	3.838	2.579	2.481
3/26/07	4:00	11.299	11.318	8.226	7.168	4.534	3.854	2.668	2.485
3/26/07	8:00	11.32	11.344	8.242	7.191	4.562	3.873	2.892	2.506
3/26/07	12:00	11.327	11.346	8.249	7.193	4.588	3.887	3.346	2.511
3/26/07	16:00	11.329	11.348	8.254	7.201	4.632	3.901	3.111	2.523
3/26/07	20:00	11.36	11.388	8.277	7.238	4.661	3.926	2.589	2.558
3/27/07	0:00	11.374	11.399	8.289	7.245	4.668	3.947	2.472	2.567
3/27/07	4:00	11.369	11.392	8.289	7.238	4.67	3.954	2.516	2.562
3/27/07	8:00	11.376	11.397	8.293	7.245	4.679	3.961	2.661	2.569
3/27/07	12:00	11.357	11.374	8.284	7.224	4.667	3.959	2.917	2.548
3/27/07	16:00	11.325	11.339	8.263	7.198	4.67	3.943	3.171	2.525
3/27/07	20:00	11.325	11.334	8.186	7.128	3.483	3.917	2.619	2.378
3/28/07	0:00	11.294	11.3	8.132	7.081	3.723	3.772	2.542	2.331
3/28/07	4:00	11.283	11.309	8.12	7.069	3.931	3.702	2.593	2.334
3/28/07	8:00	11.292	11.318	8.13	7.079	4.069	3.69	2.694	2.352
3/28/07	12:00	11.29	11.318	8.139	7.081	4.165	3.7	3.122	2.359
3/28/07	16:00	11.269	11.297	8.134	7.076	4.284	3.711	3.087	2.366
3/28/07	20:00	11.278	11.309	8.146	7.09	4.361	3.737	2.686	2.385
3/29/07	0:00	11.292	11.325	8.16	7.111	4.413	3.763	2.617	2.408
3/29/07	4:00	11.299	11.33	8.169	7.121	4.448	3.786	2.572	2.422
3/29/07	8:00	11.306	11.339	8.179	7.13	4.476	3.805	2.68	2.434
3/29/07	12:00	11.311	11.339	8.183	7.137	4.492	3.821	2.754	2.434
3/29/07	16:00	11.294	11.327	8.153	7.1	4.004	3.793	2.85	2.368
3/29/07	20:00	11.308	11.341	8.153	7.102	4.153	3.76	2.591	2.385
3/30/07	0:00	11.299	11.327	8.151	7.097	4.237	3.753	2.577	2.385
3/30/07	4:00	11.28	11.327	8.139	7.095	4.265	3.749	2.584	2.378
3/30/07	8:00	11.278	11.314	8.134	7.081	4.139	3.742	2.715	2.362
3/30/07	12:00	11.262	11.293	8.125	7.065	4.242	3.73	3.087	2.357
3/30/07	16:00	11.229	11.255	8.113	7.048	4.354	3.725	2.933	2.35
3/30/07	20:00	11.203	11.23	8.101	7.034	4.398	3.732	2.579	2.343
3/31/07	0:00	9.907	11.044	7.39	6.315	2.749	3.669	1.605	1.371
3/31/07	4:00	8.217	10.086	6.457	5.436	2.686	3.071	1.109	0.621
3/31/07	8:00	7.793	9.378	6.113	5.108	2.704	2.599	1.079	0.422
3/31/07	12:00	8.35	9.058	6.167	5.012	2.683	2.323	1.209	0.493
3/31/07	16:00	6.415	7.835	5.289	4.098	2.611	2.049	0.093	-0.379
3/31/07	20:00	6.418	7.649	5.462	4.33	2.683	1.778	0.063	-0.082

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
4/1/07	0:00	6.897	7.849	5.645	4.51	2.716	1.694	0.317	0.109
4/1/07	4:00	7.51	8.095	5.832	4.686	2.777	1.708	0.482	0.278
4/1/07	8:00	8.071	8.338	6.01	4.852	2.865	1.773	0.82	0.43
4/1/07	12:00	8.353	8.522	6.169	4.986	3.034	1.855	1.2	0.553
4/1/07	16:00	8.551	8.668	6.31	5.096	3.174	1.949	1.244	0.651
4/1/07	20:00	8.722	8.809	6.436	5.202	3.218	2.042	0.762	0.74
4/2/07	0:00	8.866	8.932	6.542	5.293	3.246	2.126	0.718	0.817
4/2/07	4:00	8.979	9.025	6.633	5.359	3.274	2.194	0.92	0.873
4/2/07	8:00	9.074	9.102	6.71	5.419	3.307	2.253	1.328	0.922
4/2/07	12:00	9.126	9.132	6.769	5.443	3.37	2.295	1.906	0.943
4/2/07	16:00	9.151	9.146	6.818	5.462	3.456	2.327	1.913	0.96
4/2/07	20:00	9.214	9.206	6.881	5.52	3.484	2.367	1.379	1.004
4/3/07	0:00	9.296	9.283	6.942	5.583	3.456	2.414	1.221	1.037
4/3/07	4:00	9.385	9.376	7.013	5.658	3.522	2.458	1.193	1.116
4/3/07	8:00	9.515	9.522	7.113	5.78	3.587	2.524	1.042	1.219
4/3/07	12:00	9.618	9.617	7.183	5.841	3.645	2.594	1.244	1.275
4/3/07	16:00	9.681	9.675	7.244	5.888	3.716	2.648	1.177	1.32
4/3/07	20:00	9.751	9.747	7.308	5.947	3.767	2.706	0.867	1.371
4/4/07	0:00	9.805	9.796	7.352	5.989	3.795	2.755	0.955	1.406
4/4/07	4:00	9.842	9.831	7.392	6.015	3.825	2.795	1.023	1.432
4/4/07	8:00	9.889	9.877	7.425	6.057	3.851	2.832	1.372	1.467
4/4/07	12:00	9.912	9.898	7.444	6.069	3.853	2.86	1.785	1.478
4/4/07	16:00	9.905	9.882	7.455	6.062	3.881	2.874	1.838	1.471
4/4/07	20:00	9.929	9.909	7.476	6.092	3.916	2.893	1.487	1.5
4/5/07	0:00	9.959	9.937	7.493	6.118	3.94	2.919	1.428	1.523
4/5/07	4:00	9.975	9.951	7.504	6.127	3.958	2.94	1.521	1.532
4/5/07	8:00	10.006	9.984	7.526	6.153	3.968	2.963	1.843	1.556
4/5/07	12:00	10.003	9.977	7.526	6.144	3.949	2.973	2.169	1.546
4/5/07	16:00	10.006	9.977	7.528	6.148	3.984	2.977	2.116	1.549
4/5/07	20:00	10.024	10.002	7.544	6.174	4.014	2.991	1.75	1.577
4/6/07	0:00	10.05	10.028	7.554	6.198	4.033	3.012	1.824	1.598
4/6/07	4:00	10.08	10.058	7.568	6.221	4.056	3.031	1.729	1.619
4/6/07	8:00	10.113	10.095	7.586	6.251	4.085	3.054	2.018	1.647
4/6/07	12:00	10.125	10.097	7.586	6.24	4.087	3.073	2.26	1.637
4/6/07	16:00	10.12	10.093	7.589	6.244	4.105	3.078	2.118	1.642
4/6/07	20:00	10.141	10.118	7.601	6.272	4.134	3.092	1.761	1.67
4/7/07	0:00	10.155	10.135	7.608	6.284	4.155	3.108	1.675	1.679
4/7/07	4:00	10.162	10.137	7.612	6.284	4.18	3.12	1.771	1.684
4/7/07	8:00	10.179	10.153	7.622	6.301	4.206	3.136	2.307	1.7
4/7/07	12:00	10.174	10.146	7.619	6.282	4.143	3.141	2.542	1.672
4/7/07	16:00	10.164	10.132	7.615	6.275	4.15	3.134	2.381	1.665
4/7/07	20:00	10.186	10.16	7.624	6.303	4.185	3.141	1.869	1.693
4/8/07	0:00	10.207	10.181	7.636	6.322	4.211	3.153	1.778	1.714
4/8/07	4:00	10.218	10.193	7.638	6.331	4.234	3.171	1.734	1.726
4/8/07	8:00	10.239	10.218	7.652	6.352	4.26	3.188	2.421	1.745
4/8/07	12:00	10.235	10.207	7.645	6.331	4.208	3.19	2.705	1.715
4/8/07	16:00	10.23	10.2	7.643	6.324	4.21	3.185	2.542	1.71
4/8/07	20:00	10.244	10.218	7.65	6.343	4.236	3.185	1.89	1.726
4/9/07	0:00	10.253	10.227	7.654	6.348	4.252	3.197	1.845	1.735
4/9/07	4:00	10.256	10.227	7.654	6.348	4.262	3.202	2.158	1.735
4/9/07	8:00	10.272	10.246	7.664	6.364	4.267	3.211	2.353	1.747
4/9/07	12:00	10.27	10.241	7.661	6.355	4.253	3.211	2.775	1.736
4/9/07	16:00	10.263	10.232	7.657	6.348	4.26	3.211	2.5	1.728
4/9/07	20:00	10.277	10.246	7.664	6.359	4.274	3.211	2.262	1.742

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
4/10/07	0:00	10.27	10.237	7.659	6.35	4.269	3.211	2.29	1.731
4/10/07	4:00	10.253	10.218	7.652	6.334	4.26	3.206	2.314	1.712
4/10/07	8:00	10.239	10.202	7.65	6.324	4.26	3.197	2.412	1.705
4/10/07	12:00	10.223	10.227	7.638	6.333	4.182	3.188	2.323	1.677
4/10/07	16:00	10.218	10.253	7.615	6.336	3.257	3.155	2.23	1.628
4/10/07	20:00	10.225	10.253	7.584	6.324	3.152	3.043	2.155	1.598
4/11/07	0:00	10.211	10.248	7.551	6.268	3.021	2.947	2.106	1.553
4/11/07	4:00	10.209	10.2	7.535	6.198	3.082	2.872	1.96	1.497
4/11/07	8:00	10.244	10.211	7.544	6.207	3.257	2.842	1.929	1.514
4/11/07	12:00	10.277	10.262	7.568	6.24	3.423	2.858	2.002	1.579
4/11/07	16:00	10.321	10.304	7.598	6.289	3.584	2.898	1.866	1.619
4/11/07	20:00	10.375	10.367	7.626	6.343	3.736	2.956	1.715	1.677
4/12/07	0:00	10.412	10.401	7.645	6.371	3.839	3.015	1.701	1.707
4/12/07	4:00	10.435	10.425	7.659	6.392	3.916	3.061	1.722	1.731
4/12/07	8:00	10.473	10.469			3.989	3.113	2.074	1.773
4/12/07	12:00	10.491	10.483	7.659	6.422	4.105			
4/12/07	16:00	10.513		7.657	6.404	4.033		2.791	1.771
4/12/07	20:00	10.498	10.469	7.673	6.437	4.096		2.484	1.801
4/13/07	0:00	10.51	10.476	7.678	6.444	4.126		2.477	1.81
4/13/07	4:00	10.515	10.48	7.683	6.45	4.157		2.456	1.815
4/13/07	8:00	10.529	10.494	7.694	6.462	4.185		2.803	1.831
4/13/07	12:00	10.508	10.466	7.685	6.439	4.189		3.215	1.81
4/13/07	16:00	10.485	10.439	7.678	6.425	4.201		3.055	1.799
4/13/07	20:00	10.48	10.436	7.68	6.434	4.224	3.412	2.754	1.806
4/14/07	0:00	10.459	10.411	7.671	6.408	4.227	3.349	2.679	1.787
4/14/07	4:00	10.445	10.397	7.666	6.404	4.236	3.309	2.696	1.78
4/14/07	8:00	10.447	10.404	7.673	6.411	4.252	3.288	3.232	1.789
4/14/07	12:00	10.438	10.39	7.666	6.401	4.252	3.267	3.346	1.78
4/14/07	16:00	10.436	10.388	7.668	6.408	4.271	3.248	3.199	1.787
4/14/07	20:00	10.452	10.408	7.678	6.427	4.292	3.246	2.495	1.806
4/15/07	0:00	10.468	10.422	7.687	6.437	4.304	3.251	2.44	1.817
4/15/07	4:00	10.473	10.429	7.69	6.444	4.311	3.255	2.554	1.822
4/15/07	8:00	10.496	10.455	7.701	6.465	4.327	3.267	3.134	1.841
4/15/07	12:00	10.499	10.455	7.706	6.462	4.33	3.27	3.553	1.841
4/15/07	16:00	10.478	10.432	7.694	6.446	4.337	3.265	3.302	1.829
4/15/07	20:00	10.482	10.441	7.699	6.458	4.351	3.265	2.617	1.841
4/16/07	0:00	10.496	10.457	7.706	6.469	4.36	3.27	2.458	1.852
4/16/07	4:00	10.501	10.464	7.711	6.474	4.365	3.274	2.533	1.855
4/16/07	8:00	10.503	10.464	7.711	6.472	4.362	3.279	3.25	1.85
4/16/07	12:00	10.485	10.441	7.704	6.453	4.365	3.274	3.586	1.838
4/16/07	16:00	10.466	10.42	7.697	6.446	4.376	3.27	3.33	1.831
4/16/07	20:00	10.473	10.432	7.701	6.458	4.388	3.27	2.649	1.843
4/17/07	0:00	10.487	10.448	7.708	6.472	4.388	3.274	2.575	1.85
4/17/07	4:00	10.482	10.441	7.704	6.46	4.379	3.277	2.54	1.838
4/17/07	8:00	10.499	10.455	7.713	6.472	4.386	3.279	2.985	1.852
4/17/07	12:00	10.482	10.436	7.706	6.458	4.376	3.274	3.469	1.836
4/17/07	16:00	10.461	10.415	7.697	6.444	4.386	3.27	3.19	1.829
4/17/07	20:00	10.487	10.446	7.711	6.474	4.402	3.274	2.577	1.852
4/18/07	0:00	10.508	10.466	7.72	6.488	4.404	3.284	2.577	1.866
4/18/07	4:00	10.513	10.473	7.72	6.488	4.404	3.288	2.351	1.864
4/18/07	8:00	10.529	10.494	7.732	6.504	4.414	3.298	2.982	1.876
4/18/07	12:00	10.529	10.49	7.729	6.5	4.414	3.302	3.388	1.878
4/18/07	16:00	10.508	10.466	7.72	6.486	4.416	3.3	3.108	1.864
4/18/07	20:00	10.52	10.478	7.727	6.497	4.428	3.3	2.54	1.876

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
4/19/07	0:00	10.529	10.49	7.732	6.505	4.43	3.312	2.47	1.88
4/19/07	4:00	10.538	10.501	7.734	6.509	4.428	3.316	2.474	1.885
4/19/07	8:00		10.513	7.744	6.521	4.437	3.319		1.894
4/19/07	12:00	10.541	10.492	7.732	6.504	4.435	3.316	2.337	1.878
4/19/07	16:00	10.511	10.49	7.736	6.507	4.449	3.316	2.321	1.885
4/19/07	20:00	10.527	10.52	7.748	6.535	4.465	3.323	2.342	1.908
4/20/07	0:00	10.555	10.543	7.757	6.551	4.467	3.333	2.361	1.925
4/20/07	4:00	10.565	10.55	7.76	6.554	4.463	3.342	2.363	1.925
4/20/07	8:00	10.581	10.564	7.769	6.561	4.465	3.351	2.377	1.929
4/20/07	12:00	10.583	10.541	7.762	6.544	4.465	3.354	2.375	1.918
4/20/07	16:00	10.551	10.506	7.746	6.521	4.465	3.342	2.351	1.899
4/20/07	20:00	10.537	10.522	7.753	6.537	4.477	3.342	2.351	1.913
4/21/07	0:00	10.56	10.536	7.757	6.542	4.47	3.344	2.363	1.913
4/21/07	4:00	10.553	10.524	7.753	6.528	4.456	3.34	2.349	1.899
4/21/07	8:00	10.56	10.538	7.76	6.54	4.456	3.344	2.351	1.908
4/21/07	12:00	10.558	10.513	7.748	6.523	4.465	3.34	2.351	1.899
4/21/07	16:00	10.532	10.485	7.741	6.507	4.472	3.335	2.342	1.892
4/21/07	20:00	10.513	10.48	7.736	6.507	4.472	3.328	2.337	1.885
4/22/07	0:00	10.53	10.515	7.75	6.533	4.477	3.335	2.347	1.904
4/22/07	4:00	10.532	10.49	7.736	6.502	4.451	3.328	2.333	1.873
4/22/07	8:00	10.506	10.466	7.722	6.469	4.35	3.307	2.302	1.801
4/22/07	12:00	10.485	10.434	7.697	6.43	4.201	3.267	2.208	1.761
4/22/07	16:00	10.469	10.439	7.701	6.444	4.231	3.239	2.194	1.775
4/22/07	20:00	10.48	10.492	7.722	6.488	4.285	3.239	2.224	1.822
4/23/07	0:00	10.553	10.566	7.758	6.547	4.334	3.265	2.3	1.88
4/23/07	4:00	10.6	10.606	7.779	6.58	4.367	3.295	2.337	1.915
4/23/07	8:00	10.64	10.645	7.802	6.605	4.392	3.326	2.373	1.941
4/23/07	12:00	10.666	10.65	7.807	6.608	4.409	3.347	2.391	1.948
4/23/07	16:00	10.659	10.627	7.8	6.594	4.423	3.351	2.387	1.941
4/23/07	20:00	10.635	10.634	7.804	6.603	4.441	3.358	2.377	1.95
4/24/07	0:00	10.642	10.606	7.788	6.573	4.425	3.358	2.377	1.92
4/24/07	4:00	10.619	10.571	7.767	6.556	4.376	3.344	2.358	1.876
4/24/07	8:00	10.579	10.557	7.699	6.477	3.383	3.302	2.215	1.738
4/24/07	12:00	9.592	10.053	7.085	5.72	2.754	3.022	1.379	0.918
4/24/07	16:00	9.178	9.617	6.364	5.202	2.602	2.687	1.308	0.343
4/24/07	20:00	7.771	8.847	5.961	4.717	2.663	2.281	0.486	0.11
4/25/07	0:00	7.703	8.679	5.917	4.785	2.581	2.033	0.66	0.168
4/25/07	4:00	7.445	8.32	5.839	4.581	2.661	1.851	0.512	0.082
4/25/07	8:00	7.381	8.308	5.966	4.674	2.728	1.759	0.592	0.189
4/25/07	12:00	7.778	8.392	6.095	4.754	2.782	1.734	0.707	0.289
4/25/07	16:00	8.174	8.482	6.202	4.836	2.85	1.743	0.777	0.362
4/25/07	20:00	8.437	8.598	6.315	4.944	2.915	1.781	0.869	0.451
4/26/07	0:00	8.561	8.635	6.385	4.984	2.974	1.82	0.923	0.486
4/26/07	4:00	8.629	8.673	6.451	5.028	3.034	1.855	0.956	0.526
4/26/07	8:00	8.709	8.735	6.526	5.089	3.098	1.9	1.01	0.581
4/26/07	12:00	8.777	8.772	6.577	5.124	3.172	1.939	1.052	0.609
4/26/07	16:00	8.817	8.798	6.626	5.157	3.252	1.977	1.071	0.638
4/26/07	20:00	8.862	8.854	6.683	5.208	3.291	2.017	1.106	0.684
4/27/07	0:00	8.921	8.891	6.725	5.241	3.31	2.054	1.142	0.71
4/27/07	4:00	8.965	8.923	6.76	5.267	3.329	2.087	1.17	0.731
4/27/07	8:00	9.007	8.974	6.811	5.319	3.355	2.119	1.196	0.773
4/27/07	12:00	9.061	9.018	6.844	5.347	3.28	2.15	1.233	0.796
4/27/07	16:00	9.099	9.048	6.884	5.375	3.364	2.171	1.252	0.82
4/27/07	20:00	9.139	9.1	6.924	5.419	3.425	2.199	1.28	0.857

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
4/28/07	0:00	9.188	9.141	6.957	5.447	3.455	2.229	1.313	0.883
4/28/07	4:00	9.225	9.171	6.985	5.471	3.476	2.257	1.334	0.901
4/28/07	8:00	9.261	9.209	7.02	5.501	3.497	2.285	1.358	0.927
4/28/07	12:00	9.291	9.22	7.05	5.515	3.551	2.306	1.379	0.939
4/28/07	16:00	9.298	9.22	7.076	5.522	3.623	2.325	1.388	0.946
4/28/07	20:00	9.305	9.23	7.088	5.532	3.639	2.346	1.393	0.951
4/29/07	0:00	9.317	9.243	7.1	5.541	3.632	2.363	1.395	0.955
4/29/07	4:00	9.329	9.255	7.111	5.551	3.63	2.374	1.402	0.965
4/29/07	8:00	9.345	9.271	7.137	5.567	3.639	2.384	1.412	0.979
4/29/07	12:00	9.364	9.276	7.17	5.583	3.712	2.398	1.435	0.995
4/29/07	16:00	9.364	9.274	7.193	5.593	3.777	2.414	1.447	1.009
4/29/07	20:00	9.369	9.292	7.205	5.607	3.796	2.435	1.461	1.014
4/30/07	0:00	9.383	9.301	7.205	5.607	3.773	2.449	1.454	1.009
4/30/07	4:00	9.39	9.306	7.203	5.605	3.749	2.454	1.449	1.002
4/30/07	8:00	9.399	9.325	7.224	5.623	3.759	2.458	1.456	1.023
4/30/07	12:00	9.42	9.332	7.256	5.642	3.831	2.47	1.487	1.046
4/30/07	16:00	9.42	9.327	7.275	5.651	3.885	2.486	1.501	1.06
4/30/07	20:00	9.437	9.362	7.285	5.672	3.896	2.51	1.52	1.07
5/1/07	0:00	9.455	9.39	7.287	5.687	3.873	2.526	1.515	1.074
5/1/07	4:00	9.479	9.406	7.289	5.687	3.85	2.531	1.518	1.072
5/1/07	8:00	9.507	9.457	7.313	5.729	3.864	2.547	1.536	1.109
5/1/07	12:00	9.554	9.492	7.341	5.764	3.927	2.568	1.586	1.151
5/1/07	16:00	9.57	9.494	7.355	5.771	3.976	2.587	1.609	1.163
5/1/07	20:00	9.582	9.517	7.362	5.79	4.001	2.61	1.621	1.175
5/2/07	0:00	9.601	9.536	7.364	5.792	3.985	2.627	1.619	1.168
5/2/07	4:00	9.613	9.545	7.364	5.792	3.966	2.634	1.609	1.163
5/2/07	8:00	9.624	9.559	7.374	5.797	3.962	2.636	1.614	1.17
5/2/07	12:00	9.634	9.552	7.378	5.801	3.999	2.643	1.628	1.182
5/2/07	16:00	9.62	9.538	7.385	5.799	4.041	2.645	1.635	1.187
5/2/07	20:00	9.62	9.557	7.388	5.813	4.055	2.659	1.64	1.196
5/3/07	0:00	9.629	9.545	7.378	5.792	4.015	2.659	1.623	1.163
5/3/07	4:00	9.622	9.545	7.374	5.787	3.987	2.655	1.607	1.152
5/3/07	8:00	9.631	9.554	7.376	5.792	3.971	2.65	1.602	1.154
5/3/07	12:00	9.631	9.547	7.376	5.745	3.959	2.641	1.598	1.147
5/3/07	16:00	9.62	9.529	7.364	5.764	3.929	2.629	1.581	1.121
5/3/07	20:00	9.606	9.536	7.357	5.759	3.852	2.615	1.553	1.107
5/4/07	0:00	9.61	9.55	7.355	5.78	3.821	2.601	1.551	1.107
5/4/07	4:00	9.601	9.517	7.252	5.74	2.891	2.573	1.478	0.979
5/4/07	8:00	9.561	9.533	7.254	5.672	3.095	2.465	1.442	1
5/4/07	12:00	9.594	9.517	7.268	5.67	3.289	2.409	1.449	1.002
5/4/07	16:00	9.587	9.501	7.292	5.677	3.487	2.395	1.461	1.018
5/4/07	20:00	9.57	9.515	7.308	5.696	3.592	2.414	1.471	1.035
5/5/07	0:00	9.585	9.51	7.308	5.691	3.627	2.433	1.487	1.032
5/5/07	4:00	9.566	9.527	7.317	5.686	3.574	2.451	1.471	1.042
5/5/07	8:00	9.493	9.445	7.165	5.63	2.83	2.421	1.367	0.89
5/5/07	12:00	9.345	9.413	7.132	5.541	3.034	2.325	1.325	0.871
5/5/07	16:00	9.38	9.417	7.179	5.562	3.337	2.283	1.346	0.902
5/5/07	20:00	9.453	9.455	7.21	5.6	3.459	2.302	1.37	0.937
5/6/07	0:00	9.481	9.359	7.004	5.447	2.802	2.318	1.379	0.747
5/6/07	4:00	7.241	8.141	5.507	4.145	2.517	2.033	0.392	-0.519
5/6/07	8:00	6.638	7.477	5.327	3.894	2.543	1.622	-0.023	-0.512
5/6/07	12:00	6.521	7.443	5.505	4.067	2.611	1.404	0.04	-0.355
5/6/07	16:00	6.828	7.45	5.575	4.093	2.599	1.301	0.139	-0.316
5/6/07	20:00	7.218	7.573	5.729	4.222	2.636	1.285	0.254	-0.192

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
5/7/07	0:00	5.967	6.654	5.106	3.655	2.51	1.154	-0.058	-0.528
5/7/07	4:00	5.982	6.452	5.081	3.636	2.473	1.021	-0.051	-0.531
5/7/07	8:00	6.059	6.51	5.221	3.657	2.533	0.96	-0.042	-0.519
5/7/07	12:00	6.268	6.596	5.331	3.737	2.568	0.939	-0.023	-0.51
5/7/07	16:00	6.486	6.707	5.446	3.828	2.611	0.958	-0.004	-0.474
5/7/07	20:00	6.709	6.821	5.537	3.899	2.634	0.986	0.045	-0.416
5/8/07	0:00	6.906	6.923	5.612	3.962	2.653	1.019	0.101	-0.367
5/8/07	4:00	7.037	7.011	5.678	4.013	2.674	1.054	0.136	-0.325
5/8/07	8:00	7.159	7.104	5.746	4.077	2.704	1.091	0.183	-0.274
5/8/07	12:00	7.265	7.166	5.83	4.126	2.835	1.124	0.24	-0.229
5/8/07	16:00	7.328	7.21	5.893	4.161	2.984	1.163	0.268	-0.203
5/8/07	20:00	7.384	7.259	5.914	4.18	2.954	1.208	0.282	-0.197
5/9/07	0:00	7.441	7.313	5.938	4.206	2.921	1.236	0.296	-0.178
5/9/07	4:00	7.492	7.357	5.964	4.227	2.907	1.255	0.31	-0.164
5/9/07	8:00	7.551	7.412	6.003	4.262	2.914	1.271	0.336	-0.136
5/9/07	12:00	7.605	7.447	6.06	4.299	3.047	1.29	0.369	-0.103
5/9/07	16:00	7.642	7.477	6.102	4.323	3.162	1.322	0.397	-0.084
5/9/07	20:00	7.671	7.514	6.107	4.337	3.094	1.355	0.392	-0.082
5/10/07	0:00	7.713	7.549	6.116	4.344	3.045	1.369	0.402	-0.08
5/10/07	4:00	7.743	7.584	6.13	4.365	3.022	1.376	0.409	-0.068
5/10/07	8:00	7.788	7.637	6.174	4.402	3.038	1.39	0.432	-0.035
5/10/07	12:00	7.842	7.675	6.233	4.445	3.227	1.407	0.477	0.007
5/10/07	16:00	7.872	7.7	6.275	4.47	3.356	1.444	0.505	0.028
5/10/07	20:00	7.905	7.742	6.282	4.484	3.307	1.488	0.517	0.03
5/11/07	0:00	7.938	7.77	6.278	4.484	3.211	1.502	0.515	0.023
5/11/07	4:00	7.966	7.809	6.289	4.505	3.171	1.512	0.517	0.037
5/11/07	8:00	8.009	7.856	6.324	4.538	3.194	1.516	0.533	0.07
5/11/07	12:00	8.053	7.886	6.383	4.578	3.4	1.533	0.583	0.107
5/11/07	16:00	8.079	7.897	6.427	4.599	3.514	1.568	0.611	0.128
5/11/07	20:00	8.098	7.925	6.416	4.602	3.437	1.605	0.611	0.116
5/12/07	0:00	8.114	7.939	6.399	4.592	3.339	1.617	0.592	0.098
5/12/07	4:00	8.119	7.951	6.397	4.59	3.278	1.605	0.578	0.096
5/12/07	8:00	8.154	7.997	6.444	4.637	3.304	1.603	0.602	0.14
5/12/07	12:00	8.184	8.006	6.505	4.665	3.519	1.61	0.644	0.173
5/12/07	16:00	8.206	8.013	6.549	4.691	3.626	1.647	0.681	0.198
5/12/07	20:00	8.208	8.023	6.523	4.672	3.563	1.682	0.672	0.166
5/13/07	0:00	8.215	8.037	6.498	4.662	3.454	1.689	0.644	0.147
5/13/07	4:00	8.22	8.044	6.481	4.651	3.383	1.675	0.625	0.133
5/13/07	8:00	8.229	8.06	6.519	4.674	3.395	1.661	0.623	0.156
5/13/07	12:00	8.262	8.057	6.58	4.702	3.598	1.666	0.679	0.198
5/13/07	16:00	8.257	8.053	6.619	4.721	3.713	1.696	0.705	0.217
5/13/07	20:00	8.26	8.067	6.589	4.707	3.659	1.729	0.705	0.189
5/14/07	0:00	8.255	8.051	6.542	4.669	3.531	1.731	0.658	0.147
5/14/07	4:00	8.231	8.039	6.514	4.644	3.449	1.706	0.618	0.119
5/14/07	8:00	8.243	8.053	6.549	4.667	3.458	1.682	0.616	0.14
5/14/07	12:00	8.274	8.074	6.624	4.719	3.647	1.685	0.679	0.203
5/14/07	16:00	8.29	8.081	6.673	4.744	3.778	1.722	0.731	0.236
5/14/07	20:00	8.3	8.069	6.629	4.672	3.587	1.767	0.726	0.177
5/15/07	0:00	8.309	8.099	6.477	4.594	2.687	1.729	0.606	0.063
5/15/07	4:00	8.3	8.09	6.292	4.461	2.596	1.596	0.503	-0.031
5/15/07	8:00	8.257	8.111	6.327	4.55	2.729	1.5	0.484	0.004
5/15/07	12:00	8.278	8.125	6.392	4.592	2.89	1.467	0.522	0.046
5/15/07	16:00	8.276	8.12	6.444	4.611	3.068	1.472	0.547	0.065
5/15/07	20:00	8.276	8.113	6.453	4.609	3.128	1.493	0.559	0.061

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
5/16/07	0:00	8.279	8.12	6.458	4.613	3.128	1.516	0.557	0.065
5/16/07	4:00	8.271	8.106	6.451	4.601	3.121	1.523	0.55	0.053
5/16/07	8:00	8.267	8.104	6.463	4.608	3.133	1.528	0.547	0.058
5/16/07	12:00	8.274	8.092	6.502	4.623	3.28	1.533	0.573	0.077
5/16/07	16:00	8.26	8.078	6.509	4.625	3.369	1.551	0.573	0.075
5/16/07	20:00	8.248	8.085	6.493	4.62	3.32	1.573	0.557	0.065
5/17/07	0:00	8.274	8.113	6.493	4.632	3.278	1.582	0.571	0.077
5/17/07	4:00	8.286	8.115	6.484	4.627	3.245	1.582	0.571	0.07
5/17/07	8:00	8.297	8.141	6.516	4.658	3.287	1.584	0.578	0.105
5/17/07	12:00	8.314	8.118	6.54	4.655	3.423	1.591	0.606	0.105
5/17/07	16:00	8.293	8.088	6.556	4.648	3.514	1.608	0.609	0.1
5/17/07	20:00	8.272	8.081	6.526	4.632	3.467	1.624	0.59	0.074
5/18/07	0:00	8.255	8.053	6.488	4.597	3.362	1.619	0.557	0.042
5/18/07	4:00	8.229	8.039	6.463	4.578	3.301	1.596	0.529	0.025
5/18/07	8:00	8.229	8.044	6.488	4.594	3.338	1.58	0.531	0.046
5/18/07	12:00	8.236	8.032	6.533	4.611	3.518	1.577	0.566	0.068
5/18/07	16:00	8.232	8.018	6.554	4.618	3.605	1.596	0.583	0.074
5/18/07	20:00	8.218	8.011	6.516	4.594	3.537	1.617	0.564	0.042
5/19/07	0:00	8.201	7.995	6.472	4.559	3.42	1.605	0.526	0.004
5/19/07	4:00	8.185	7.981	6.444	4.538	3.343	1.58	0.503	-0.017
5/19/07	8:00	8.175	7.988	6.465	4.555	3.355	1.554	0.489	0.004
5/19/07	12:00	8.197	7.99	6.526	4.587	3.544	1.549	0.533	0.042
5/19/07	16:00	8.201	7.981	6.559	4.601	3.651	1.575	0.569	0.06
5/19/07	20:00	8.194	7.988	6.519	4.58	3.583	1.601	0.552	0.023
5/20/07	0:00	8.185	7.979	6.472	4.548	3.462	1.594	0.512	-0.01
5/20/07	4:00	8.168	7.965	6.434	4.519	3.373	1.57	0.484	-0.035
5/20/07	8:00	8.154	7.953	6.446	4.522	3.361	1.537	0.465	-0.031
5/20/07	12:00	8.173	7.955	6.512	4.557	3.541	1.528	0.51	0.009
5/20/07	16:00	8.178	7.946	6.547	4.573	3.663	1.551	0.545	0.028
5/20/07	20:00	8.161	7.937	6.498	4.543	3.59	1.575	0.524	-0.014
5/21/07	0:00	8.152	7.93	6.449	4.512	3.471	1.57	0.487	-0.049
5/21/07	4:00	8.129	7.909	6.409	4.48	3.378	1.542	0.447	-0.08
5/21/07	8:00	8.119	7.911	6.434	4.494	3.394	1.509	0.435	-0.061
5/21/07	12:00	8.133	7.904	6.5	4.524	3.593	1.505	0.479	-0.017
5/21/07	16:00	8.138	7.902	6.531	4.543	3.702	1.535	0.519	0
5/21/07	20:00	8.122	7.897	6.481	4.512	3.628	1.561	0.498	-0.045
5/22/07	0:00	8.1	7.874	6.423	4.468	3.501	1.549	0.44	-0.092
5/22/07	4:00	8.079	7.853	6.385	4.435	3.406	1.519	0.409	-0.122
5/22/07	8:00	8.072	7.858	6.374	4.435	3.352	1.488	0.397	-0.124
5/22/07	12:00	8.068	7.86	6.383	4.44	3.359	1.463	0.386	-0.11
5/22/07	16:00	8.079	7.851	6.425	4.454	3.464	1.451	0.414	-0.096
5/22/07	20:00	8.089	7.863	6.402	4.449	3.45	1.465	0.43	-0.108
5/23/07	0:00	8.072	7.872	6.378	4.442	3.356	1.465	0.39	-0.122
5/23/07	4:00	8.068	7.851	6.341	4.407	3.279	1.444	0.371	-0.155
5/23/07	8:00	8.077	7.881	6.36	4.433	3.282	1.43	0.376	-0.129
5/23/07	12:00	8.103	7.902	6.39	4.459	3.354	1.43	0.411	-0.105
5/23/07	16:00	8.117	7.89	6.418	4.409	3.42	1.439	0.423	-0.103
5/23/07	20:00	8.108	7.842	6.331	4.351	2.812	1.432	0.362	-0.185
5/24/07	0:00	8.108	7.853	6.278	4.337	2.669	1.364	0.346	-0.208
5/24/07	4:00	7.955	7.54	5.664	3.924	2.436	1.229	0.115	-0.545
5/24/07	8:00	6.743	7.157	5.462	3.73	2.426	1.019	-0.07	-0.55
5/24/07	12:00	6.501	7.029	5.507	3.664	2.531	0.867	-0.068	-0.547
5/24/07	16:00	6.729	7.05	5.61	3.753	2.662	0.82	-0.054	-0.538
5/24/07	20:00	7.113	7.092	5.655	3.791	2.693	0.825	-0.037	-0.538

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
5/25/07	0:00	7.226	7.106	5.673	3.807	2.688	0.839	-0.025	-0.54
5/25/07	4:00	7.259	7.108	5.694	3.821	2.695	0.846	-0.025	-0.54
5/25/07	8:00	7.284	7.113	5.725	3.835	2.725	0.853	-0.023	-0.54
5/25/07	12:00	7.296	7.087	5.755	3.842	2.868	0.857	-0.021	-0.542
5/25/07	16:00	7.277	7.055	5.776	3.84	2.992	0.874	-0.018	-0.538
5/25/07	20:00	7.261	7.036	5.746	3.814	2.917	0.892	-0.028	-0.54
5/26/07	0:00	7.249	7.015	5.727	3.795	2.823	0.888	-0.035	-0.54
5/26/07	4:00	7.228	6.99	5.704	3.77	2.753	0.869	-0.03	-0.54
5/26/07	8:00	7.181	6.957	5.57	3.688	2.475	0.82	-0.054	-0.543
5/26/07	12:00	7.179	6.96	5.626	3.72	2.573	0.771	-0.047	-0.538
5/26/07	16:00	7.179	6.946	5.657	3.727	2.676	0.757	-0.044	-0.543
5/26/07	20:00	7.177	6.948	5.659	3.732	2.692	0.766	-0.042	-0.543
5/27/07	0:00	7.181	6.955	5.659	3.737	2.683	0.773	-0.037	-0.545
5/27/07	4:00	7.177	6.957	5.664	3.737	2.688	0.773	-0.037	-0.54
5/27/07	8:00	7.181	6.962	5.68	3.749	2.739	0.773	-0.035	-0.543
5/27/07	12:00	7.2	6.953	5.725	3.765	2.896	0.782	-0.03	-0.543
5/27/07	16:00	7.186	6.925	5.727	3.749	2.989	0.801	-0.032	-0.545
5/27/07	20:00	7.172	6.923	5.701	3.737	2.898	0.82	-0.037	-0.545
5/28/07	0:00	7.167	6.902	5.664	3.706	2.79	0.813	-0.039	-0.545
5/28/07	4:00	7.146	6.897	5.647	3.695	2.737	0.792	-0.044	-0.545
5/28/07	8:00	7.141	6.888	5.638	3.683	2.704	0.773	-0.049	-0.545
5/28/07	12:00	7.134	6.872	5.669	3.695	2.83	0.75	-0.046	-0.545
5/28/07	16:00	7.137	6.862	5.692	3.697	2.963	0.761	-0.044	-0.547
5/28/07	20:00	7.127	6.872	5.673	3.69	2.898	0.78	-0.049	-0.547
5/29/07	0:00	7.127	6.862	5.638	3.669	2.793	0.775	-0.049	-0.55
5/29/07	4:00	7.116	6.862	5.626	3.662	2.741	0.757	-0.054	-0.55
5/29/07	8:00	7.13	6.879	5.643	3.678	2.757	0.743	-0.046	-0.547
5/29/07	12:00	7.156	6.883	5.704	3.709	2.968	0.74	-0.046	-0.543
5/29/07	16:00	7.163	6.883	5.706	3.681	3.045	0.773	-0.037	-0.545
5/29/07	20:00	7.13	6.858	5.629	3.652	2.673	0.768	-0.051	-0.552
5/30/07	0:00	7.116	6.841	5.601	3.629	2.655	0.731	-0.054	-0.552
5/30/07	4:00	7.09	6.809	5.568	3.591	2.624	0.701	-0.061	-0.554
5/30/07	8:00	7.081	6.816	5.563	3.606	2.538	0.68	-0.058	-0.547
5/30/07	12:00	7.088	6.839	5.589	3.617	2.559	0.656	-0.058	-0.547
5/30/07	16:00	7.12	6.855	5.631	3.648	2.685	0.654	-0.054	-0.547
5/30/07	20:00	7.135	6.874	5.624	3.65	2.708	0.673	-0.051	-0.545
5/31/07	0:00	7.137	6.869	5.601	3.634	2.669	0.68	-0.054	-0.547
5/31/07	4:00	7.12	6.858	5.582	3.62	2.645	0.673	-0.054	-0.547
5/31/07	8:00	7.123		5.615	3.638	2.694	0.666	-0.053	-0.545
5/31/07	12:00	7.146	6.986	5.62	3.803	2.703	1.694	0.092	
5/31/07	16:00	7.137	6.967	5.65	3.815	2.904	1.725	-0.021	-0.013
5/31/07	20:00	7.097	6.942	5.428	3.709	2.339	1.725	-0.039	-0.016
6/1/07	0:00	6.656	6.747	5.076	3.44	2.248	1.603	-0.079	-0.037
6/1/07	4:00	6.415	6.622	5.107	3.384	2.278	1.484	-0.079	-0.035
6/1/07	8:00	6.494	6.615	5.154	3.423	2.304	1.421	-0.068	-0.028
6/1/07	12:00	6.656	6.636	5.222	3.468	2.371	1.397	-0.063	-0.028
6/1/07	16:00	6.743	6.652	5.268	3.503	2.439	1.402	-0.06	-0.025
6/1/07	20:00	6.752	6.643	5.257	3.482	2.388	1.411	-0.06	-0.032
6/2/07	0:00	6.762	6.645	5.259	3.489	2.376	1.411	-0.06	-0.03
6/2/07	4:00	6.755	6.629	5.247	3.47	2.362	1.404	-0.063	-0.025
6/2/07	8:00	6.759	6.629	5.252	3.477	2.357	1.397	-0.058	-0.025
6/2/07	12:00	6.785	6.643	5.304	3.513	2.474	1.397	-0.053	-0.03
6/2/07	16:00	6.792	6.645	5.311	3.447	2.423	1.416	-0.056	-0.035
6/2/07	20:00	6.462	6.52	5.069	3.327	2.231	1.395	-0.089	-0.037

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
6/3/07	0:00	6.178	6.415	5.06	3.316	2.264	1.334	-0.089	-0.035
6/3/07	4:00	6.164	6.385	5.055	3.309	2.271	1.297	-0.086	-0.032
6/3/07	8:00	6.302	6.411	5.074	3.323	2.285	1.278	-0.082	-0.037
6/3/07	12:00	6.41	6.441	5.13	3.358	2.348	1.273	-0.072	-0.042
6/3/07	16:00	6.527	6.457	5.203	3.395	2.481	1.283	-0.067	-0.035
6/3/07	20:00	6.562	6.462	5.133	3.348	2.289	1.301	-0.077	-0.035
6/4/07	0:00	6.584	6.471	5.123	3.348	2.292	1.29	-0.075	-0.035
6/4/07	4:00	6.588	6.466	5.119	3.339	2.292	1.276	-0.079	-0.03
6/4/07	8:00	6.619	6.492	5.135	3.36	2.303	1.273	-0.075	-0.035
6/4/07	12:00	6.656	6.513	5.21	3.407	2.413	1.276	-0.06	-0.035
6/4/07	16:00	6.682	6.52	5.273	3.442	2.612	1.301	-0.06	-0.025
6/4/07	20:00	6.689	6.531	5.226	3.419	2.402	1.344	-0.07	-0.028
6/5/07	0:00	6.687	6.533	5.189	3.395	2.338	1.339	-0.072	-0.03
6/5/07	4:00	6.701	6.547	5.182	3.4	2.336	1.325	-0.072	-0.032
6/5/07	8:00	6.708	6.557	5.182	3.402	2.331	1.313	-0.07	-0.025
6/5/07	12:00	6.734	6.568	5.243	3.438	2.439	1.311	-0.063	-0.025
6/5/07	16:00	6.734	6.552	5.285	3.454	2.621	1.327	-0.06	-0.032
6/5/07	20:00	6.72	6.531	5.264	3.43	2.642	1.355	-0.065	-0.025
6/6/07	0:00	6.68	6.501	5.194	3.379	2.495	1.36	-0.075	-0.037
6/6/07	4:00	6.633	6.45	5.147	3.325	2.415	1.329	-0.084	-0.032
6/6/07	8:00	6.6	6.417	5.123	3.299	2.39	1.292	-0.086	-0.037
6/6/07	12:00	6.593	6.387	5.182	3.313	2.581	1.264	-0.084	-0.03
6/6/07	16:00	6.586	6.366	5.226	3.332	2.827	1.278	-0.079	-0.03
6/6/07	20:00	6.562	6.341	5.196	3.304	2.82	1.308	-0.089	-0.037
6/7/07	0:00	6.527	6.311	5.123	3.257	2.651	1.315	-0.096	-0.046
6/7/07	4:00	6.511	6.306	5.1	3.243	2.541	1.294	-0.098	-0.042
6/7/07	8:00	6.527	6.332	5.109	3.262	2.481	1.271	-0.096	-0.042
6/7/07	12:00	6.607	6.408	5.224	3.362	2.712	1.273	-0.07	-0.044
6/7/07	16:00	6.666	6.45	5.306	3.426	2.953	1.32	-0.06	-0.039
6/7/07	20:00	6.724	6.52	5.348	3.48	3.009	1.397	-0.053	-0.046
6/8/07	0:00	6.795	6.617	5.329	3.512	2.873	1.458	-0.051	-0.035
6/8/07	4:00	6.828	6.656	5.306	3.515	2.759	1.477	-0.051	-0.028
6/8/07	8:00	6.865	6.703	5.308	3.536	2.684	1.479	-0.046	-0.037
6/8/07	12:00	6.905	6.733	5.376	3.58	2.794	1.479	-0.035	-0.032
6/8/07	16:00	6.917	6.731	5.414	3.592	2.946	1.498	-0.035	-0.03
6/8/07	20:00	6.91	6.717	5.397	3.569	2.908	1.526	-0.039	-0.032
6/9/07	0:00	6.889	6.708	5.325	3.522	2.74	1.524	-0.046	-0.035
6/9/07	4:00	6.865	6.687	5.285	3.491	2.637	1.495	-0.053	-0.042
6/9/07	8:00	6.865	6.687	5.278	3.487	2.59	1.463	-0.053	-0.037
6/9/07	12:00	6.886	6.687	5.36	3.536	2.761	1.442	-0.042	-0.037
6/9/07	16:00	6.882	6.666	5.414	3.55	2.971	1.458	-0.039	-0.032
6/9/07	20:00	6.865	6.65	5.388	3.529	2.974	1.495	-0.046	-0.035
6/10/07	0:00	6.842	6.64	5.313	3.48	2.789	1.502	-0.058	-0.039
6/10/07	4:00	6.795	6.598	5.245	3.426	2.646	1.465	-0.065	-0.042
6/10/07	8:00	6.783	6.591	5.222	3.416	2.579	1.423	-0.067	-0.044
6/10/07	12:00	6.797	6.594	5.273	3.444	2.665	1.393	-0.058	-0.03
6/10/07	16:00	6.835	6.615	5.369	3.508	2.91	1.404	-0.046	-0.035
6/10/07	20:00	6.828	6.608	5.353	3.491	2.927	1.444	-0.053	-0.042
6/11/07	0:00	6.811	6.612	5.275	3.452	2.74	1.456	-0.063	-0.035
6/11/07	4:00	6.781	6.587	5.217	3.405	2.602	1.428	-0.07	-0.03
6/11/07	8:00	6.776	6.587	5.196	3.395	2.529	1.395	-0.072	-0.032
6/11/07	12:00	6.804	6.608	5.247	3.433	2.592	1.367	-0.06	-0.042
6/11/07	16:00	6.835	6.626	5.334	3.489	2.836	1.374	-0.051	-0.035
6/11/07	20:00	6.846	6.636	5.346	3.496	2.894	1.416	-0.053	-0.039

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
6/12/07	0:00	6.839	6.645	5.273	3.459	2.726	1.439	-0.06	-0.037
6/12/07	4:00	6.809	6.619	5.222	3.416	2.592	1.421	-0.07	-0.039
6/12/07	8:00	6.8	6.615	5.196	3.402	2.52	1.39	-0.072	-0.037
6/12/07	12:00	6.818	6.617	5.257	3.437	2.627	1.362	-0.063	-0.039
6/12/07	16:00	6.832	6.617	5.332	3.475	2.84	1.372	-0.056	-0.039
6/12/07	20:00	6.832	6.619	5.306	3.463	2.847	1.407	-0.06	-0.042
6/13/07	0:00	6.804	6.605	5.233	3.416	2.674	1.416	-0.07	-0.039
6/13/07	4:00	6.776	6.578	5.186	3.379	2.56	1.388	-0.077	-0.039
6/13/07	8:00	6.762	6.566	5.165	3.365	2.499	1.358	-0.079	-0.044
6/13/07	12:00	6.757	6.564	5.128	3.353	2.405	1.332	-0.086	-0.042
6/13/07	16:00	6.49	6.452	4.793	3.201	2.179	1.245	-0.121	-0.046
6/13/07	20:00	6.312	6.371	4.833	3.117	2.195	1.157	-0.119	-0.042
6/14/07	0:00	6.462	6.39	4.894	3.154	2.207	1.119	-0.112	-0.044
6/14/07	4:00	6.514	6.383	4.905	3.149	2.209	1.1	-0.112	-0.044
6/14/07	8:00	6.53	6.385	4.924	3.163	2.216	1.091	-0.11	-0.046
6/14/07	12:00	6.556	6.392	4.976	3.194	2.288	1.089	-0.103	-0.039
6/14/07	16:00	6.575	6.392	5.034	3.224	2.379	1.107	-0.098	-0.044
6/14/07	20:00	6.579	6.392	5.03	3.224	2.389	1.131	-0.1	-0.044
6/15/07	0:00	6.572	6.392	4.994	3.203	2.314	1.14	-0.105	-0.046
6/15/07	4:00	6.561	6.383	4.973	3.187	2.284	1.131	-0.107	-0.049
6/15/07	8:00	6.57	6.392	4.973	3.196	2.272	1.121	-0.105	-0.044
6/15/07	12:00	6.598	6.406	5.053	3.245	2.421	1.119	-0.091	-0.044
6/15/07	16:00	6.626	6.42	5.123	3.287	2.643	1.152	-0.084	-0.044
6/15/07	20:00	6.633	6.424	5.116	3.28	2.667	1.201	-0.088	-0.049
6/16/07	0:00	6.619	6.422	5.051	3.245	2.496	1.22	-0.098	-0.049
6/16/07	4:00	6.6	6.41	5.008	3.217	2.405	1.201	-0.1	-0.037
6/16/07	8:00	6.603	6.417	4.997	3.217	2.361	1.18	-0.1	-0.046
6/16/07	12:00	6.638	6.438	5.083	3.274	2.512	1.166	-0.086	-0.049
6/16/07	16:00	6.664	6.443	5.156	3.316	2.756	1.192	-0.079	-0.049
6/16/07	20:00	6.659	6.438	5.144	3.304	2.779	1.238	-0.084	-0.049
6/17/07	0:00	6.626	6.422	5.055	3.248	2.58	1.255	-0.093	-0.044
6/17/07	4:00	6.584	6.385	4.994	3.196	2.447	1.227	-0.103	-0.042
6/17/07	8:00	6.565	6.366	4.971	3.177	2.384	1.185	-0.107	-0.051
6/17/07	12:00	6.572	6.357	5.03	3.208	2.505	1.15	-0.093	-0.051
6/17/07	16:00	6.589	6.355	5.107	3.25	2.788	1.161	-0.088	-0.046
6/17/07	20:00	6.572	6.336	5.09	3.227	2.805	1.201	-0.093	-0.044
6/18/07	0:00	6.542	6.322	5.013	3.18	2.613	1.215	-0.107	-0.051
6/18/07	4:00	6.518	6.306	4.964	3.149	2.48	1.187	-0.112	-0.051
6/18/07	8:00	6.504	6.299	4.936	3.133	2.398	1.154	-0.114	-0.049
6/18/07	12:00	6.516	6.308	4.957	3.149	2.414	1.124	-0.107	-0.049
6/18/07	16:00	6.518	6.304	4.987	3.17	2.463	1.11	-0.103	-0.053
6/18/07	20:00	6.551	6.334	5.02	3.203	2.54	1.124	-0.095	-0.046
6/19/07	0:00	6.556	6.355	4.973	3.187	2.447	1.142	-0.103	-0.051
6/19/07	4:00	6.575	6.385	4.964	3.196	2.402	1.145	-0.1	-0.039
6/19/07	8:00	6.598	6.415	4.976	3.213	2.384	1.142	-0.093	-0.046
6/19/07	12:00	6.65	6.448	5.081	3.288	2.557	1.145	-0.079	-0.051
6/19/07	16:00	6.687	6.471	5.147	3.33	2.748	1.185	-0.07	-0.049
6/19/07	20:00	6.692	6.473	5.142	3.32	2.772	1.236	-0.077	-0.049
6/20/07	0:00	6.654	6.448	5.048	3.257	2.573	1.248	-0.088	-0.049
6/20/07	4:00	6.631	6.431	5.001	3.224	2.463	1.229	-0.095	-0.051
6/20/07	8:00	6.629	6.431	4.994	3.224	2.421	1.196	-0.095	-0.051
6/20/07	12:00	6.65	6.431	5.074	3.266	2.587	1.178	-0.086	-0.049
6/20/07	16:00	6.662	6.427	5.14	3.297	2.814	1.196	-0.077	-0.044
6/20/07	20:00	6.654	6.415	5.13	3.288	2.816	1.236	-0.084	-0.046

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
6/21/07	0:00	6.615	6.397	5.03	3.222	2.606	1.248	-0.098	-0.053
6/21/07	4:00	6.591	6.38	4.976	3.191	2.482	1.217	-0.102	-0.053
6/21/07	8:00	6.565	6.359	4.938	3.163	2.4	1.178	-0.107	-0.051
6/21/07	12:00	6.596	6.376	5.037	3.224	2.577	1.15	-0.091	-0.049
6/21/07	16:00	6.638	6.399	5.13	3.288	2.849	1.173	-0.063	-0.044
6/21/07	20:00	6.617	6.371	5.097	3.252	2.816	1.217	-0.072	-0.044
6/22/07	0:00	6.601	6.38	5.023	3.22	2.64	1.231	-0.081	-0.051
6/22/07	4:00	6.568	6.357	4.959	3.173	2.493	1.203	-0.091	-0.049
6/22/07	8:00	6.537	6.327	4.922	3.14	2.404	1.159	-0.095	-0.053
6/22/07	12:00	6.556	6.332	4.983	3.18	2.503	1.131	-0.086	-0.049
6/22/07	16:00	6.577	6.329	5.076	3.229	2.764	1.138	-0.077	-0.053
6/22/07	20:00	6.556	6.32	5.023	3.194	2.701	1.175	-0.086	-0.056
6/23/07	0:00	6.533	6.313	4.938	3.149	2.418	1.175	-0.098	-0.044
6/23/07	4:00	6.5	6.285	4.887	3.109	2.346	1.131	-0.105	-0.049
6/23/07	8:00	6.493	6.285	4.866	3.1	2.308	1.096	-0.107	-0.049
6/23/07	12:00	6.497	6.285	4.88	3.112	2.315	1.07	-0.105	-0.056
6/23/07	16:00	6.516	6.29	4.945	3.149	2.444	1.065	-0.095	-0.053
6/23/07	20:00	6.523	6.297	4.955	3.156	2.486	1.082	-0.095	-0.046
6/24/07	0:00	6.497	6.285	4.882	3.112	2.371	1.089	-0.112	-0.053
6/24/07	4:00	6.469	6.26	4.84	3.081	2.306	1.065	-0.117	-0.053
6/24/07	8:00	6.472	6.269	4.833	3.081	2.283	1.044	-0.117	-0.049
6/24/07	12:00	6.488	6.276	4.877	3.112	2.329	1.03	-0.107	-0.053
6/24/07	16:00	6.526	6.294	4.976	3.175	2.544	1.042	-0.088	-0.053
6/24/07	20:00	6.542	6.306	4.992	3.189	2.605	1.086	-0.088	-0.051
6/25/07	0:00	6.516	6.301	4.901	3.138	2.444	1.11	-0.107	-0.051
6/25/07	4:00	6.497	6.29	4.854	3.105	2.353	1.093	-0.114	-0.046
6/25/07	8:00	6.481	6.276	4.833	3.086	2.301	1.063	-0.117	-0.051
6/25/07	12:00	6.537	6.313	4.948	3.173	2.493	1.056	-0.091	-0.056
6/25/07	16:00	6.587	6.341	5.06	3.245	2.773	1.089	-0.077	-0.051
6/25/07	20:00	6.605	6.357	5.069	3.252	2.818	1.157	-0.077	-0.046
6/26/07	0:00	6.575	6.352	4.959	3.189	2.607	1.187	-0.093	-0.051
6/26/07	4:00	6.551	6.339	4.901	3.156	2.469	1.166	-0.105	-0.049
6/26/07	8:00	6.537	6.334	4.868	3.133	2.385	1.131	-0.11	-0.049
6/26/07	12:00	6.584	6.362	4.973	3.203	2.542	1.112	-0.084	-0.053
6/26/07	16:00	6.631	6.392	5.06	3.26	2.74	1.138	-0.077	-0.053
6/26/07	20:00	6.633	6.39	5.048	3.241	2.731	1.18	-0.084	-0.056
6/27/07	0:00	6.601	6.383	4.948	3.189	2.539	1.182	-0.102	-0.044
6/27/07	4:00	6.558	6.35	4.877	3.135	2.411	1.152	-0.112	-0.044
6/27/07	8:00	6.558	6.352	4.877	3.142	2.387	1.114	-0.109	-0.056
6/27/07	12:00	6.61	6.385	4.987	3.213	2.591	1.103	-0.088	-0.053
6/27/07	16:00	6.627	6.39	5.004	3.22	2.628	1.128	-0.084	-0.053
6/27/07	20:00	6.594	6.364	4.941	3.175	2.577	1.145	-0.102	-0.053
6/28/07	0:00	6.558	6.348	4.863	3.133	2.399	1.133	-0.112	-0.049
6/28/07	4:00	6.535	6.332	4.823	3.105	2.315	1.098	-0.119	-0.056
6/28/07	8:00	6.523	6.325	4.812	3.098	2.291	1.061	-0.117	-0.056
6/28/07	12:00	6.561	6.345	4.884	3.147	2.434	1.051	-0.105	-0.053
6/28/07	16:00	6.575	6.343	4.919	3.168	2.56	1.07	-0.098	-0.053
6/28/07	20:00	6.563	6.341	4.891	3.149	2.544	1.098	-0.105	-0.056
6/29/07	0:00	6.528	6.325	4.821	3.103	2.366	1.093	-0.117	-0.063
6/29/07	4:00	6.488	6.285	4.767	3.06	2.277	1.058	-0.126	-0.053
6/29/07	8:00	6.486	6.292	4.76	3.063	2.259	1.028	-0.124	-0.06
6/29/07	12:00	6.523	6.311	4.833	3.119	2.371	1.012	-0.109	-0.053
6/29/07	16:00	6.537	6.308	4.88	3.135	2.52	1.026	-0.105	-0.058
6/29/07	20:00	6.514	6.294	4.833	3.103	2.448	1.051	-0.116	-0.056

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
6/30/07	0:00	6.495	6.29	4.777	3.074	2.308	1.044	-0.121	-0.053
6/30/07	4:00	6.462	6.262	4.73	3.037	2.233	1.014	-0.128	-0.049
6/30/07	8:00	6.451	6.253	4.713	3.028	2.214	0.984	-0.131	-0.053
6/30/07	12:00	6.486	6.271	4.795	3.079	2.35	0.972	-0.114	-0.056
6/30/07	16:00	6.514	6.283	4.861	3.117	2.532	0.993	-0.107	-0.053
6/30/07	20:00	6.509	6.281	4.845	3.107	2.513	1.028	-0.112	-0.06
7/1/07	0:00	6.488	6.285	4.772	3.074	2.347	1.037	-0.121	-0.056
7/1/07	4:00	6.458	6.26	4.72	3.037	2.256	1.012	-0.128	-0.058
7/1/07	8:00	6.451	6.26	4.704	3.032	2.223	0.986	-0.128	-0.056
7/1/07	12:00	6.493	6.285	4.788	3.088	2.345	0.974	-0.114	-0.058
7/1/07	16:00	6.526	6.299	4.854	3.126	2.527	0.995	-0.102	-0.058
7/1/07	20:00	6.519	6.294	4.833	3.112	2.506	1.028	-0.112	-0.056
7/2/07	0:00	6.491	6.288	4.756	3.07	2.333	1.035	-0.121	-0.056
7/2/07	4:00	6.465	6.271	4.709	3.037	2.242	1.009	-0.128	-0.053
7/2/07	8:00	6.444	6.25	4.681	3.014	2.198	0.979	-0.133	-0.056
7/2/07	12:00	6.474	6.262	4.756	3.065	2.326	0.963	-0.116	-0.058
7/2/07	16:00	6.502	6.276	4.823	3.107	2.506	0.977	-0.109	-0.06
7/2/07	20:00	6.491	6.267	4.791	3.082	2.469	1.009	-0.116	-0.06
7/3/07	0:00	6.465	6.262	4.718	3.046	2.303	1.012	-0.126	-0.051
7/3/07	4:00	6.418	6.218	4.652	2.985	2.193	0.979	-0.14	-0.056
7/3/07	8:00	6.404	6.209	4.636	2.981	2.162	0.941	-0.14	-0.063
7/3/07	12:00	6.451	6.236	4.739	3.049	2.321	0.927	-0.119	-0.06
7/3/07	16:00	6.488	6.25	4.816	3.096	2.541	0.953	-0.109	-0.056
7/3/07	20:00	6.484	6.255	4.8	3.086	2.546	1	-0.114	-0.058
7/4/07	0:00	6.441	6.236	4.699	3.03	2.328	1.007	-0.131	-0.058
7/4/07	4:00	6.413	6.216	4.652	2.997	2.228	0.979	-0.135	-0.06
7/4/07	8:00	6.413	6.222	4.645	3	2.197	0.948	-0.133	-0.058
7/4/07	12:00	6.458	6.243	4.732	3.058	2.34	0.937	-0.116	-0.056
7/4/07	16:00	6.516	6.283	4.835	3.128	2.597	0.97	-0.1	-0.058
7/4/07	20:00	6.519	6.292	4.812	3.119	2.574	1.026	-0.107	-0.065
7/5/07	0:00	6.474	6.271	4.706	3.056	2.345	1.035	-0.121	-0.06
7/5/07	4:00	6.439	6.25	4.65	3.016	2.244	1.002	-0.13	-0.06
7/5/07	8:00	6.437	6.253	4.636	3.018	2.214	0.972	-0.128	-0.06
7/5/07	12:00	6.5	6.294	4.748	3.098	2.375	0.96	-0.107	-0.058
7/5/07	16:00	6.547	6.318	4.845	3.157	2.623	0.993	-0.093	-0.06
7/5/07	20:00	6.545	6.32	4.823	3.138	2.602	1.044	-0.1	-0.058
7/6/07	0:00	6.5	6.304	4.716	3.082	2.375	1.056	-0.114	-0.063
7/6/07	4:00	6.46	6.274	4.655	3.035	2.26	1.021	-0.119	-0.06
7/6/07	8:00	6.448	6.267	4.636	3.025	2.216	0.984	-0.123	-0.058
7/6/07	12:00	6.505	6.292	4.76	3.1	2.421	0.967	-0.105	-0.063
7/6/07	16:00	6.54	6.301	4.854	3.152	2.702	0.998	-0.091	-0.058
7/6/07	20:00	6.526	6.294	4.819	3.131	2.676	1.058	-0.098	-0.063
7/7/07	0:00	6.465	6.262	4.695	3.051	2.419	1.063	-0.116	-0.06
7/7/07	4:00	6.42	6.225	4.624	3	2.272	1.021	-0.126	-0.06
7/7/07	8:00	6.409	6.209	4.627	2.997	2.253	0.974	-0.128	-0.06
7/7/07	12:00	6.446	6.225	4.723	3.056	2.478	0.955	-0.109	-0.06
7/7/07	16:00	6.488	6.243	4.821	3.121	2.772	0.988	-0.093	-0.065
7/7/07	20:00	6.493	6.25	4.809	3.117	2.76	1.056	-0.102	-0.056
7/8/07	0:00	6.432	6.222	4.676	3.037	2.485	1.068	-0.121	-0.063
7/8/07	4:00	6.395	6.197	4.613	2.99	2.323	1.028	-0.133	-0.07
7/8/07	8:00	6.388	6.192	4.606	2.99	2.274	0.979	-0.13	-0.07
7/8/07	12:00	6.444	6.22	4.718	3.063	2.496	0.958	-0.107	-0.067
7/8/07	16:00	6.5	6.255	4.83	3.14	2.786	0.995	-0.091	-0.065
7/8/07	20:00	6.5	6.262	4.807	3.126	2.749	1.068	-0.095	-0.065

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
7/9/07	0:00	6.437	6.229	4.667	3.037	2.47	1.077	-0.119	-0.067
7/9/07	4:00	6.404	6.209	4.603	2.967	2.307	1.035	-0.126	-0.07
7/9/07	8:00	6.392	6.211	4.566	2.981	2.148	0.988	-0.13	-0.063
7/9/07	12:00	6.416	6.234	4.603	3.014	2.173	0.944	-0.123	-0.067
7/9/07	16:00	6.423	6.227	4.615	3.016	2.192	0.927	-0.121	-0.065
7/9/07	20:00	6.416	6.22	4.608	3.007	2.195	0.925	-0.123	-0.067
7/10/07	0:00	6.388	6.213	4.554	2.981	2.122	0.909	-0.13	-0.07
7/10/07	4:00	6.376	6.204	4.535	2.969	2.11	0.885	-0.133	-0.065
7/10/07	8:00	6.362	6.195	4.519	2.953	2.094	0.869	-0.135	-0.067
7/10/07	12:00	6.434	6.253	4.624	3.044	2.239	0.871	-0.112	-0.07
7/10/07	16:00	6.498	6.301	4.709	3.11	2.391	0.916	-0.098	-0.067
7/10/07	20:00	6.505	6.313	4.692	3.103	2.381	0.967	-0.1	-0.067
7/11/07	0:00	6.488	6.32	4.624	3.075	2.255	0.984	-0.107	-0.058
7/11/07	4:00	6.467	6.308	4.58	3.044	2.194	0.97	-0.114	-0.067
7/11/07	8:00	6.467	6.315	4.573	3.046	2.176	0.953	-0.114	-0.067
7/11/07	12:00	6.521	6.345	4.664	3.107	2.302	0.948	-0.098	-0.07
7/11/07	16:00	6.538	6.339	4.713	3.126	2.414	0.967	-0.09	-0.065
7/11/07	20:00	6.521	6.325	4.688	3.103	2.372	1	-0.1	-0.067
7/12/07	0:00	6.481	6.311	4.601	3.056	2.225	0.993	-0.112	-0.067
7/12/07	4:00	6.439	6.274	4.542	3.009	2.15	0.96	-0.119	-0.063
7/12/07	8:00	6.42	6.262	4.526	2.993	2.129	0.927	-0.121	-0.07
7/12/07	12:00	6.444	6.271	4.568	3.025	2.182	0.911	-0.114	-0.067
7/12/07	16:00	6.477	6.281	4.648	3.072	2.344	0.916	-0.105	-0.07
7/12/07	20:00	6.427	6.26	4.54	3.004	2.14	0.927	-0.121	-0.072
7/13/07	0:00	6.42	6.269	4.517	3.002	2.115	0.906	-0.123	-0.067
7/13/07	4:00	6.409	6.255	4.496	2.981	2.094	0.89	-0.126	-0.074
7/13/07	8:00	6.42	6.269	4.498	2.993	2.096	0.876	-0.121	-0.067
7/13/07	12:00	6.463	6.294	4.582	3.049	2.229	0.876	-0.107	-0.07
7/13/07	16:00	6.498	6.306	4.65	3.086	2.372	0.906	-0.098	-0.072
7/13/07	20:00	6.474	6.287	4.61	3.056	2.306	0.941	-0.107	-0.07
7/14/07	0:00	6.411	6.243	4.505	2.981	2.147	0.93	-0.126	-0.072
7/14/07	4:00	6.367	6.204	4.456	2.936	2.089	0.89	-0.135	-0.07
7/14/07	8:00	6.364	6.197	4.47	2.946	2.112	0.86	-0.133	-0.065
7/14/07	12:00	6.411	6.222	4.563	3.009	2.276	0.857	-0.112	-0.072
7/14/07	16:00	6.463	6.262	4.65	3.075	2.46	0.895	-0.097	-0.077
7/14/07	20:00	6.472	6.276	4.624	3.07	2.421	0.948	-0.102	-0.079
7/15/07	0:00	6.427	6.262	4.521	3.009	2.222	0.955	-0.119	-0.07
7/15/07	4:00	6.392	6.236	4.47	2.969	2.133	0.923	-0.128	-0.074
7/15/07	8:00	6.39	6.241	4.463	2.969	2.112	0.892	-0.126	-0.072
7/15/07	12:00	6.446	6.276	4.563	3.039	2.259	0.883	-0.107	-0.074
7/15/07	16:00	6.491	6.297	4.643	3.093	2.442	0.913	-0.095	-0.074
7/15/07	20:00	6.472	6.285	4.599	3.063	2.397	0.96	-0.107	-0.07
7/16/07	0:00	6.425	6.26	4.503	3.002	2.206	0.958	-0.119	-0.072
7/16/07	4:00	6.409	6.257	4.47	2.986	2.126	0.93	-0.123	-0.079
7/16/07	8:00	6.395	6.248	4.446	2.967	2.107	0.895	-0.126	-0.07
7/16/07	12:00	6.46	6.29	4.568	3.046	2.266	0.883	-0.107	-0.072
7/16/07	16:00	6.507	6.308	4.648	3.098	2.456	0.909	-0.095	-0.072
7/16/07	20:00	6.521	6.332	4.636	3.107	2.442	0.963	-0.097	-0.077
7/17/07	0:00	6.458	6.297	4.51	3.021	2.196	0.967	-0.119	-0.072
7/17/07	4:00	6.423	6.274	4.453	2.981	2.105	0.927	-0.128	-0.077
7/17/07	8:00	6.418	6.269	4.463	2.986	2.114	0.888	-0.123	-0.077
7/17/07	12:00	6.489	6.313	4.587	3.075	2.308	0.883	-0.1	-0.077
7/17/07	16:00	6.543	6.341	4.688	3.143	2.591	0.927	-0.083	-0.074
7/17/07	20:00	6.54	6.348	4.659	3.131	2.568	0.998	-0.09	-0.074

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
7/18/07	0:00	6.484	6.327	4.531	3.051	2.282	1.012	-0.109	-0.077
7/18/07	4:00	6.451	6.301	4.474	3.011	2.156	0.972	-0.119	-0.077
7/18/07	8:00	6.43	6.285	4.453	2.993	2.119	0.927	-0.123	-0.084
7/18/07	12:00	6.465	6.304	4.521	3.042	2.187	0.899	-0.109	-0.081
7/18/07	16:00	6.524	6.332	4.636	3.114	2.399	0.911	-0.09	-0.074
7/18/07	20:00	6.535	6.35	4.636	3.124	2.434	0.963	-0.093	-0.077
7/19/07	0:00	6.47	6.313	4.507	3.04	2.196	0.972	-0.114	-0.081
7/19/07	4:00	6.484	6.329	4.493	3.03	2.14	0.951	-0.114	-0.079
7/19/07	8:00	6.406	6.283	4.303	2.972	1.993	0.876	-0.144	-0.081
7/19/07	12:00	6.439	6.315	4.395	2.976	2.042	0.839	-0.126	-0.084
7/19/07	16:00	6.484	6.339	4.481	3.035	2.133	0.839	-0.109	-0.081
7/19/07	20:00	6.47	6.336	4.456	3.018	2.067	0.862	-0.116	-0.074
7/20/07	0:00	6.46	6.339	4.43	3.011	2.028	0.86	-0.121	-0.079
7/20/07	4:00	6.446	6.327	4.409	2.993	2.009	0.85	-0.123	-0.077
7/20/07	8:00	6.451	6.336	4.418	3.002	2.023	0.841	-0.121	-0.079
7/20/07	12:00	6.493	6.357	4.491	3.054	2.135	0.846	-0.104	-0.079
7/20/07	16:00	6.521	6.366	4.54	3.082	2.226	0.871	-0.1	-0.077
7/20/07	20:00	6.503	6.357	4.503	3.061	2.154	0.897	-0.107	-0.079
7/21/07	0:00	6.472	6.348	4.444	3.023	2.056	0.892	-0.116	-0.079
7/21/07	4:00	6.458	6.341	4.423	3.009	2.03	0.874	-0.119	-0.081
7/21/07	8:00	6.458	6.341	4.421	3.007	2.032	0.86	-0.119	-0.07
7/21/07	12:00	6.505	6.369	4.505	3.07	2.161	0.86	-0.102	-0.079
7/21/07	16:00	6.538	6.385	4.545	3.098	2.245	0.888	-0.097	-0.079
7/21/07	20:00	6.526	6.38	4.519	3.079	2.191	0.918	-0.104	-0.084
7/22/07	0:00	6.493	6.366	4.456	3.044	2.074	0.913	-0.112	-0.079
7/22/07	4:00	6.46	6.341	4.414	3.009	2.037	0.888	-0.119	-0.081
7/22/07	8:00	6.456	6.339	4.414	3.009	2.037	0.869	-0.119	-0.079
7/22/07	12:00	6.5	6.364	4.493	3.063	2.149	0.867	-0.104	-0.081
7/22/07	16:00	6.545	6.387	4.559	3.112	2.282	0.892	-0.093	-0.079
7/22/07	20:00	6.54	6.39	4.535	3.098	2.226	0.93	-0.097	-0.079
7/23/07	0:00	6.489	6.359	4.449	3.037	2.074	0.925	-0.114	-0.079
7/23/07	4:00	6.456	6.336	4.409	3.004	2.037	0.897	-0.121	-0.079
7/23/07	8:00	6.43	6.313	4.381	2.979	2.004	0.867	-0.126	-0.081
7/23/07	12:00	6.453	6.332	4.423	3.014			-0.093	-0.088
7/23/07	16:00	6.486	6.339		3.063			-0.043	-0.093
7/23/07	20:00	6.493	6.346	4.538	3.098	2.186		-0.048	-0.093
7/24/07	0:00	6.453	6.332	4.463	3.044	2.03		-0.053	-0.098
7/24/07	4:00	6.428	6.311	4.428	3.014	1.985		-0.057	-0.1
7/24/07	8:00	6.421	6.308	4.416	3.004	1.971		-0.057	-0.1
7/24/07	12:00	6.496	6.32	4.505	3.063	2.076		-0.046	-0.095
7/24/07	16:00	6.545	6.345	4.596	3.126	2.23		-0.041	-0.095
7/24/07	20:00	6.55	6.355	4.58	3.124	2.207		-0.043	-0.095
7/25/07	0:00	6.496	6.327	4.481	3.056	2.032		-0.05	-0.098
7/25/07	4:00	6.472	6.315	4.446	3.032	1.987		-0.055	-0.1
7/25/07	8:00	6.461	6.308	4.432	3.023	1.973		-0.055	-0.102
7/25/07	12:00	6.519	6.341	4.531	3.091	2.107	0.902	-0.046	-0.1
7/25/07	16:00	6.575	6.376	4.622	3.157	2.294	0.92	-0.036	-0.098
7/25/07	20:00	6.578	6.385	4.601	3.15	2.254	0.955	-0.119	-0.098
7/26/07	0:00	6.524	6.357	4.5	3.084	2.069	0.955	-0.109	-0.095
7/26/07	4:00	6.486	6.332	4.451	3.044	2.004	0.923	-0.128	-0.102
7/26/07	8:00	6.477	6.325	4.437	3.035	1.983	0.888	-0.06	-0.1
7/26/07	12:00	6.538	6.355	4.552	3.112	2.144	0.876	-0.018	-0.098
7/26/07	16:00	6.606	6.399	4.659	3.196	2.38	0.911	-0.032	-0.093
7/26/07	20:00	6.594	6.394	4.62	3.168	2.324	0.97	-0.095	-0.095

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
7/27/07	0:00	6.545	6.38	4.521	3.11	2.109	0.977	-0.062	-0.098
7/27/07	4:00	6.524	6.325	4.474	3.046	2.022	0.948	-0.093	-0.105
7/27/07	8:00	6.503	6.357	4.439	3.058	1.973	0.906	-0.062	-0.1
7/27/07	12:00	6.543	6.39	4.503	3.107	2.027	0.888	0.013	-0.1
7/27/07	16:00	6.58	6.411	4.552	3.143	2.083	0.895	-0.001	-0.098
7/27/07	20:00	6.585	6.413	4.545	3.143	2.06	0.909	-0.102	-0.095
7/28/07	0:00	6.545	6.399	4.474	3.096	1.971	0.906	-0.112	-0.098
7/28/07	4:00	6.512	6.373	4.442	3.065	1.947	0.881	-0.163	-0.098
7/28/07	8:00	6.507	6.371	4.428	3.058	1.945	0.867	-0.09	-0.1
7/28/07	12:00	6.552	6.399	4.505	3.114	2.046	0.86	0.006	-0.095
7/28/07	16:00	6.571	6.411	4.528	3.131	2.074	0.878	-0.057	-0.1
7/28/07	20:00	6.543	6.392	4.479	3.096	1.989	0.89	-0.144	-0.1
7/29/07	0:00	6.526	6.376	4.444	3.063	1.95	0.878	-0.175	-0.098
7/29/07	4:00	6.498	6.334	4.409	3.044	1.915	0.855	-0.196	-0.1
7/29/07	8:00	6.491	6.341	4.399	3.032	1.915	0.839	-0.224	-0.084
7/29/07	12:00	6.486	6.359	4.383	3.028	1.903	0.827	-0.072	-0.102
7/29/07	16:00	6.512	6.366	4.435	3.056	1.961	0.82	0.105	-0.102
7/29/07	20:00	6.526	6.376	4.456	3.072	1.968	0.834	-0.017	-0.102
7/30/07	0:00	6.505	6.371	4.411	3.051	1.917	0.841	-0.22	-0.102
7/30/07	4:00	6.486	6.355	4.392	3.032	1.905	0.827	-0.168	-0.102
7/30/07	8:00	6.486	6.359	4.392	3.039	1.91	0.818	-0.1	-0.102
7/30/07	12:00	6.547	6.399	4.491	3.11	2.041	0.825	-0.041	-0.1
7/30/07	16:00	6.587	6.417	4.545	3.145	2.109	0.857	0.044	-0.105
7/30/07	20:00	6.601	6.436	4.542	3.152	2.081	0.892	-0.144	-0.102
7/31/07	0:00	6.568	6.429	4.47	3.11	1.968	0.902	-0.128	-0.1
7/31/07	4:00	6.547	6.415	4.437	3.086	1.938	0.888	-0.142	-0.1
7/31/07	8:00	6.529	6.399	4.421	3.07	1.933	0.864	-0.111	-0.1
7/31/07	12:00	6.597	6.443	4.528	3.152	2.085	0.867	-0.022	-0.102
7/31/07	16:00	6.634	6.459	4.573	3.182	2.158	0.897	0.065	-0.095
7/31/07	20:00	6.62	6.457	4.535	3.159	2.09	0.93	-0.097	-0.105
8/1/07	0:00	6.576	6.436	4.453	3.105	1.971	0.923	-0.093	-0.1
8/1/07	4:00	6.547	6.415	4.414	3.075	1.938	0.895	-0.126	-0.1
8/1/07	8:00	6.526	6.399	4.392	3.058	1.919	0.867	-0.076	-0.105
8/1/07	12:00	6.58	6.434	4.477	3.121	2.02	0.86	0.076	-0.102
8/1/07	16:00	6.627	6.459	4.556	3.173	2.125	0.883	0.032	-0.1
8/1/07	20:00	6.594	6.417	4.481	3.098	2.031	0.918	-0.05	-0.102
8/2/07	0:00	6.59	6.462	4.453	3.124	1.954	0.909	-0.123	-0.105
8/2/07	4:00	6.564	6.443	4.416	3.091	1.921	0.888	-0.029	-0.102
8/2/07	8:00	6.562	6.441	4.407	3.089	1.917	0.871	-0.102	-0.102
8/2/07	12:00	6.618	6.482	4.498	3.154	2.026	0.869	-0.036	-0.1
8/2/07	16:00	6.667	6.508	4.57	3.203	2.12	0.899	-0.025	-0.102
8/2/07	20:00	6.662	6.513	4.54	3.189	2.048	0.934	-0.123	-0.1
8/3/07	0:00	6.627	6.501	4.472	3.147	1.959	0.934	-0.137	-0.1
8/3/07	4:00	6.608	6.489	4.439	3.124	1.935	0.916	-0.05	-0.107
8/3/07	8:00	6.599	6.487	4.428	3.119	1.942	0.897	-0.121	-0.1
8/3/07	12:00	6.679	6.531	4.561	3.208	2.115	0.899	-0.017	-0.098
8/3/07	16:00	6.719	6.547	4.634	3.25	2.225	0.941	0.076	-0.098
8/3/07	20:00	6.693	6.536	4.578	3.215	2.143	0.984	-0.097	-0.1
8/4/07	0:00	6.637	6.489	4.481	3.147	1.994	0.974	-0.149	-0.105
8/4/07	4:00	6.59	6.457	4.428	3.096	1.938	0.934	-0.1	-0.107
8/4/07	8:00	6.566	6.438	4.414	3.082	1.931	0.899	0.001	-0.107
8/4/07	12:00	6.613	6.457	4.514	3.15	2.073	0.883	-0.034	-0.105
8/4/07	16:00	6.667	6.492	4.606	3.215	2.267	0.916	0.025	-0.105
8/4/07	20:00	6.674	6.503	4.592	3.215	2.239	0.97	-0.079	-0.105

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
8/5/07	0:00	6.623	6.48	4.488	3.147	2.033	0.977	-0.041	-0.107
8/5/07	4:00	6.585	6.452	4.446	3.112	1.973	0.941	-0.025	-0.114
8/5/07	8:00	6.576	6.45	4.43	3.103	1.956	0.911	-0.147	-0.119
8/5/07	12:00	6.651	6.499	4.556	3.194	2.11	0.906	-0.029	-0.107
8/5/07	16:00	6.674	6.522	4.563	3.21	2.122	0.941	-0.1	-0.105
8/5/07	20:00	6.644	6.508	4.5	3.166	2.005	0.946	-0.196	-0.109
8/6/07	0:00	6.613	6.492	4.449	3.136	1.956	0.93		-0.105
8/6/07	4:00	6.59	6.475	4.421	3.112	1.937	0.904		-0.105
8/6/07	8:00	6.578	6.466	4.407	3.103	1.926	0.885		-0.109
8/6/07	12:00	6.618	6.352	4.442	3.07	1.996	0.881		-0.107
8/6/07	16:00	6.604	6.457	4.432	3.103	1.97	0.857		-0.112
8/6/07	20:00	6.594	6.455	4.437	3.107	1.963	0.869		-0.109
8/7/07	0:00	6.58	6.464	4.421	3.103	1.907	0.864		-0.109
8/7/07	4:00	6.566	6.455	4.392	3.086	1.891	0.853		-0.112
8/7/07	8:00	6.526	6.417	4.271	2.997	1.853	0.825		-0.117
8/7/07	12:00	6.569	6.452	4.388	3.084	1.961	0.808		-0.119
8/7/07	16:00	6.592	6.471	4.411	3.107	1.942	0.834		-0.112
8/7/07	20:00	6.571	6.455	4.39	3.082	1.895	0.836		-0.112
8/8/07	0:00	6.555	6.445	4.367	3.065	1.869	0.834		-0.112
8/8/07	4:00	6.503	6.39	4.245	3.018	1.827	0.804		-0.119
8/8/07	8:00	6.505	6.408	4.294	3.002	1.862	0.79		-0.117
8/8/07	12:00	5.763	6.1	3.69	2.559	1.778	0.719		-0.128
8/8/07	16:00	6.186	6.158	4.022	2.765	1.879	0.645		-0.128
8/8/07	20:00	6.252	6.139	4.114	2.768	1.839	0.649		-0.124
8/9/07	0:00	6.308	6.246	4.175	2.896	1.846	0.666		-0.124
8/9/07	4:00	6.346	6.271	4.207	2.925	1.848	0.687		-0.119
8/9/07	8:00	6.388	6.311	4.24	2.964	1.867	0.705		-0.112
8/9/07	12:00	6.437	6.35	4.308	3.018	1.937	0.726		-0.112
8/9/07	16:00	6.498	6.39	4.392	3.082	2.031	0.768		-0.112
8/9/07	20:00	6.524	6.411	4.399	3.091	1.986	0.818		-0.109
8/10/07	0:00	6.524	6.424	4.364	3.077	1.904	0.832		-0.114
8/10/07	4:00	4.659	5.698	3.666	2.503	1.78	0.743		-0.133
8/10/07	8:00	5.025	5.742	3.861	2.632	1.792	0.621		-0.133
8/10/07	12:00	5.906	5.977	4.06	2.789	1.928	0.603		-0.124
8/10/07	16:00	6.123	6.086	4.191	2.885	1.988	0.64		-0.121
8/10/07	20:00	6.22	6.148	4.226	2.92	1.939	0.689		-0.124
8/11/07	0:00	6.245	6.171	4.21	2.904	1.858	0.703		-0.121
8/11/07	4:00	6.269	6.188	4.217	2.911	1.853	0.698		-0.126
8/11/07	8:00	6.287	6.199	4.221	2.918	1.862	0.701		-0.121
8/11/07	12:00	6.355	6.239	4.343	3.002	2.042	0.712		-0.119
8/11/07	16:00	6.437	6.301	4.435	3.082	2.157	0.771		-0.112
8/11/07	20:00	6.463	6.334	4.407	3.077	2.042	0.829		-0.117
8/12/07	0:00	6.456	6.348	4.355	3.049	1.928	0.834		-0.117
8/12/07	4:00	6.459	6.357	4.339	3.042	1.907	0.82		-0.119
8/12/07	8:00	6.473	6.373	4.346	3.051	1.907	0.811		-0.117
8/12/07	12:00	6.529	6.411	4.437	3.119	2.03	0.818		-0.114
8/12/07	16:00	6.562	6.431	4.484	3.152	2.096	0.85		-0.114
8/12/07	20:00	6.147	6.241	4.015	2.896	1.867	0.825		-0.131
8/13/07	0:00	6.248	6.227	4.121	2.857	1.848	0.752		-0.128
8/13/07	4:00	6.264	6.22	4.163	2.88	1.843	0.715		-0.133
8/13/07	8:00	6.28	6.223	4.191	2.896	1.855	0.698		-0.126
8/13/07	12:00	6.344	6.26	4.285	2.969	1.963	0.705		-0.124
8/13/07	16:00	6.405	6.281	4.362	3.018	2.042	0.736		-0.117
8/13/07	20:00	6.419	6.297	4.357	3.023	1.993	0.778		-0.126

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
8/14/07	0:00	6.379	6.271	4.292	2.974	1.885	0.775		-0.126
8/14/07	4:00	6.369	6.264	4.285	2.967	1.876	0.759		-0.124
8/14/07	8:00	6.377	6.271	4.292	2.971	1.883	0.745		-0.124
8/14/07	12:00	6.449	6.315	4.407	3.058	2.044	0.757		-0.119
8/14/07	16:00	6.498	6.355	4.467	3.114	2.142	0.801		-0.117
8/14/07	20:00	6.489	6.348	4.421	3.082	2.037	0.843		-0.119
8/15/07	0:00	6.445	6.322	4.348	3.025	1.913	0.834		-0.119
8/15/07	4:00	6.414	6.294	4.313	2.99	1.883	0.804		-0.124
8/15/07	8:00	6.419	6.304	4.32	3	1.892	0.785		-0.121
8/15/07	12:00	6.466	6.336	4.39	3.051	1.981	0.783		-0.128
8/15/07	16:00	6.501	6.369	4.411	3.082	1.986	0.811		-0.119
8/15/07	20:00	6.473	6.352	4.357	3.039	1.899	0.815		-0.126
8/16/07	0:00	6.47	6.359	4.348	3.039	1.897	0.804		-0.117
8/16/07	4:00	6.473	6.364	4.343	3.039	1.888	0.797		-0.124
8/16/07	8:00	6.503	6.35	4.353	3.032	1.906	0.797		-0.121
8/16/07	12:00	6.498	6.399	4.332	3.051	1.899	0.787		-0.121
8/16/07	16:00	6.517	6.406	4.357	3.065	1.909	0.792		-0.121
8/16/07	20:00	6.524	6.413	4.369	3.075	1.916	0.804		-0.121
8/17/07	0:00	6.524	6.422	4.357	3.075	1.894	0.804		-0.117
8/17/07	4:00	6.52	6.417	4.35	3.065	1.885	0.804		-0.121
8/17/07	8:00	6.524	6.422	4.353	3.07	1.887	0.799		-0.121
8/17/07	12:00	6.536	6.424	4.378	3.086	1.922	0.799		-0.128
8/17/07	16:00	6.567	6.438	4.428	3.119	1.993	0.815		-0.119
8/17/07	20:00	6.529	6.355	4.369	3.028	1.904	0.829		-0.124
8/18/07	0:00	6.522	6.413	4.355	3.068	1.883	0.82		-0.121
8/18/07	4:00	6.494	6.383	4.332	3.039	1.866	0.801		-0.121
8/18/07	8:00	6.489	6.38	4.332	3.039	1.869	0.79		-0.124
8/18/07	12:00	6.531	6.399	4.409	3.089	1.983	0.787		-0.119
8/18/07	16:00	6.576	6.417	4.486	3.143	2.093	0.82		-0.114
8/18/07	20:00	6.569	6.422	4.453	3.128	2.021	0.883		-0.119
8/19/07	0:00	6.527	6.399	4.376	3.074	1.906	0.881		-0.128
8/19/07	4:00	6.513	6.394	4.367	3.068	1.887	0.855		-0.124
8/19/07	8:00	6.51	6.397	4.355	3.065	1.885	0.841		-0.128
8/19/07	12:00	6.552	6.422	4.421	3.112	1.976	0.839		-0.119
8/19/07	16:00	6.592	6.436	4.493	3.154	2.049	0.86		-0.121
8/19/07	20:00	6.569	6.422	4.435	3.117	1.957	0.881		-0.121
8/20/07	0:00	6.538	6.413	4.388	3.089	1.899	0.871		-0.126
8/20/07	4:00	6.506	6.387	4.357	3.058	1.873	0.848		-0.124
8/20/07	8:00	6.499	6.383	4.35	3.053	1.88	0.829		-0.131
8/20/07	12:00	6.524	6.399	4.402	3.091	1.95	0.82		-0.126
8/20/07	16:00	6.592	6.434	4.5	3.166	2.098	0.846		-0.121
8/20/07	20:00	6.567	6.436	4.186	3.112	1.999	0.885		-0.133
8/21/07	0:00	6.473	6.378	4.203	3.014	1.871	0.834		-0.133
8/21/07	4:00	6.463	6.366	4.257	2.995	1.864	0.799		-0.131
8/21/07	8:00	6.484	6.392	4.296	3.028	1.871	0.792		-0.128
8/21/07	12:00	6.534	6.415	4.378	3.084	1.971	0.797		-0.124
8/21/07	16:00	6.581	6.431	4.456	3.133	2.065	0.827		-0.126
8/21/07	20:00	6.592	6.45	4.465	3.15	2.023	0.871		-0.126
8/22/07	0:00	6.576	6.462	4.411	3.131	1.931	0.881		-0.128
8/22/07	4:00	6.55	6.438	4.378	3.093	1.88	0.864		-0.128
8/22/07	8:00	6.55	6.445	4.381	3.098	1.885	0.848		-0.121
8/22/07	12:00	6.623	6.494	4.498	3.192	2.051	0.853		-0.121
8/22/07	16:00	6.609	6.482	4.449	3.159	1.99	0.885		-0.131
8/22/07	20:00	6.585	6.352	4.397	3.079	1.913	0.892		-0.124

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
8/23/07	0:00	6.461	6.373	4.05	3.002	1.824	0.855		-0.126
8/23/07	4:00	6.377	6.294	4.128	2.885	1.817	0.78		-0.131
8/23/07	8:00	6.356	6.281	4.186	2.91	1.838	0.738		-0.135
8/23/07	12:00	6.367	6.274	4.243	2.939	1.892	0.717		-0.135
8/23/07	16:00	6.431	6.318	4.329	3.016	1.952	0.743		-0.133
8/23/07	20:00	6.409	6.174	4.236	2.894	1.861	0.759		-0.135
8/24/07	0:00	5.179	5.963	3.849	2.676	1.782	0.715		-0.147
8/24/07	4:00	4.952	5.717	3.875	2.592	1.777	0.614		-0.149
8/24/07	8:00	5.456	5.712	3.952	2.657	1.786	0.572		-0.14
8/24/07	12:00	5.917	5.946	4.036	2.758	1.824	0.577		-0.14
8/24/07	16:00	6.046	6.011	4.109	2.81	1.859	0.598		-0.142
8/24/07	20:00	6.117	6.065	4.139	2.843	1.835	0.621		-0.14
8/25/07	0:00	6.161	6.097	4.147	2.857	1.821	0.638		-0.138
8/25/07	4:00	6.206	6.137	4.175	2.889	1.838	0.652		-0.133
8/25/07	8:00	6.245	6.171	4.2	2.915	1.849	0.666		-0.14
8/25/07	12:00	6.302	6.206	4.271	2.969	1.948	0.682		-0.135
8/25/07	16:00	6.356	6.236	4.329	3.014	2.011	0.724		-0.133
8/25/07	20:00	6.365	6.248	4.303	3	1.931	0.757		-0.138
8/26/07	0:00	6.349	6.243	4.266	2.974	1.861	0.757		-0.142
8/26/07	4:00	6.349	6.241	4.261	2.967	1.859	0.743		-0.14
8/26/07	8:00	6.358	6.25	4.273	2.978	1.87	0.736		-0.138
8/26/07	12:00	6.381	6.257	4.318	3.002	1.943	0.736		-0.142
8/26/07	16:00	6.405	6.26	4.364	3.03	2.02	0.757		-0.14
8/26/07	20:00	6.398	6.253	4.332	3.011	1.948	0.783		-0.14
8/27/07	0:00	6.377	6.25	4.287	2.985	1.873	0.775		-0.135
8/27/07	4:00	6.363	6.241	4.271	2.969	1.852	0.754		-0.142
8/27/07	8:00	6.365	6.241	4.28	2.974	1.863	0.74		-0.14
8/27/07	12:00	6.438	6.292	4.39	3.058	2.043	0.754		-0.135
8/27/07	16:00	6.489	6.327	4.451	3.117	2.162	0.806		-0.135
8/27/07	20:00	6.499	6.343	4.423	3.107	2.069	0.86		-0.138
8/28/07	0:00	6.475	6.346	4.362	3.077	1.931	0.862		-0.135
8/28/07	4:00	6.461	6.339	4.339	3.058	1.898	0.839		-0.135
8/28/07	8:00	6.464	6.343	4.336	3.058	1.896	0.82		-0.135
8/28/07	12:00	6.532	6.387	4.451	3.142	2.053	0.82		-0.133
8/28/07	16:00	6.583	6.417	4.514	3.194	2.179	0.867		-0.145
8/28/07	20:00	6.553	6.401	4.325	3.14	2.011	0.909		-0.135
8/29/07	0:00	6.011	6.248	3.802	2.786	1.842	0.843		-0.154
8/29/07	4:00	5.395	5.895	3.779	2.566	1.781	0.673		-0.161
8/29/07	8:00	5.798	5.884	3.945	2.681	1.826	0.595		-0.149
8/29/07	12:00	5.978	5.967	4.034	2.768	1.847	0.591		-0.154
8/29/07	16:00	6.063	6.009	4.104	2.819	1.88	0.603		-0.152
8/29/07	20:00	6.119	6.044	4.135	2.847	1.863	0.631		-0.147
8/30/07	0:00	6.163	6.088	4.156	2.88	1.854	0.647		-0.147
8/30/07	4:00	6.189	6.109	4.165	2.889	1.852	0.661		-0.145
8/30/07	8:00	6.217	6.13	4.184	2.906	1.861	0.67		-0.145
8/30/07	12:00	6.267	6.158	4.25	2.953	1.945	0.682		-0.142
8/30/07	16:00	6.302	6.167	4.289	2.981	2.003	0.71		-0.154
8/30/07	20:00	6.29	6.16	4.254	2.953	1.91	0.731		-0.156
8/31/07	0:00	6.281	6.162	4.226	2.941	1.863	0.719		-0.159
8/31/07	4:00	6.278	6.162	4.217	2.934	1.856	0.705		-0.154
8/31/07	8:00	6.288	6.174	4.228	2.943	1.866	0.696		-0.154
8/31/07	12:00	6.344	6.209	4.315	3.009	1.985	0.703		-0.147
8/31/07	16:00	6.381	6.227	4.355	3.039	2.041	0.738		-0.152
8/31/07	20:00	6.37	6.225	4.313	3.013	1.952	0.768		-0.152

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
9/1/07	0:00	6.349	6.218	4.273	2.99	1.882	0.759		-0.156
9/1/07	4:00	6.344	6.22	4.261	2.983	1.87	0.745		-0.149
9/1/07	8:00	6.349	6.227	4.261	2.988	1.872	0.731		-0.152
9/1/07	12:00	6.405	6.26	4.348	3.044	1.987	0.736		-0.149
9/1/07	16:00	6.44	6.274	4.399	3.079	2.069	0.768		-0.149
9/1/07	20:00	6.421	6.267	4.348	3.051	1.973	0.799		-0.156
9/2/07	0:00	6.396	6.26	4.303	3.023	1.896	0.79		-0.152
9/2/07	4:00	6.382	6.253	4.282	3.011	1.872	0.771		-0.149
9/2/07	8:00	6.386	6.262	4.287	3.018	1.884	0.757		-0.147
9/2/07	12:00	6.454	6.301	4.39	3.089	2.022	0.761		-0.152
9/2/07	16:00	6.503	6.329	4.456	3.142	2.116	0.804		-0.159
9/2/07	20:00	6.494	6.332	4.402	3.114	2.01	0.843		-0.154
9/3/07	0:00	6.464	6.327	4.35	3.082	1.915	0.836		-0.154
9/3/07	4:00	6.445	6.313	4.322	3.06	1.891	0.813		-0.156
9/3/07	8:00	6.443	6.318	4.32	3.06	1.891	0.797		-0.159
9/3/07	12:00	6.511	6.357	4.428	3.135	2.043	0.797		-0.147
9/3/07	16:00	6.553	6.373	4.491	3.18	2.153	0.836		-0.163
9/3/07	20:00	6.529	6.364	4.43	3.145	2.031	0.878		-0.156
9/4/07	0:00	6.478	6.336	4.357	3.091	1.914	0.862		-0.166
9/4/07	4:00	6.445	6.308	4.325	3.058	1.889	0.827		-0.159
9/4/07	8:00	6.438	6.306	4.317	3.058	1.896	0.799		-0.161
9/4/07	12:00	6.501	6.343	4.418	3.126	2.034	0.797		-0.166
9/4/07	16:00	6.557	6.369	4.491	3.185	2.155	0.834		-0.168
9/4/07	20:00	6.527	6.359	4.425	3.14	2.038	0.876		-0.154
9/5/07	0:00	6.478	6.332	4.353	3.091	1.917	0.86		-0.156
9/5/07	4:00	6.447	6.311	4.32	3.06	1.886	0.827		-0.161
9/5/07	8:00	6.438	6.306	4.313	3.053	1.884	0.801		-0.159
9/5/07	12:00	6.457	6.318	4.343	3.07	1.919	0.787		-0.161
9/5/07	16:00	6.511	6.341	4.43	3.131	2.05	0.797		-0.149
9/5/07	20:00	6.511	6.348	4.404	3.121	1.989	0.832		-0.163
9/6/07	0:00	6.485	6.346	4.353	3.093	1.91	0.834		-0.17
9/6/07	4:00	6.457	6.325	4.322	3.067	1.877	0.813		-0.168
9/6/07	8:00	6.447	6.32	4.313	3.058	1.87	0.794		-0.163
9/6/07	12:00	6.475	6.329	4.364	3.091	1.94	0.782		-0.163
9/6/07	16:00	6.518	6.348	4.432	3.133	2.045	0.801		-0.159
9/6/07	20:00	6.48	6.325	4.364	3.091	1.938	0.825		-0.173
9/7/07	0:00	6.407	6.26	4.2	2.981	1.84	0.782		-0.173
9/7/07	4:00	6.431	6.315	4.271	3.035	1.865	0.759		-0.156
9/7/07	8:00	6.466	6.352	4.303	3.074	1.882	0.764		-0.159
9/7/07	12:00	6.525	6.404	4.371	3.135	1.959	0.78		-0.159
9/7/07	16:00	6.581	6.438	4.437	3.187	2.05	0.818		-0.168
9/7/07	20:00	6.581	6.452	4.409	3.178	1.975	0.86		-0.161
9/8/07	0:00	6.56	6.448	4.371	3.152	1.907	0.86		-0.156
9/8/07	4:00	6.539	6.427	4.35	3.126	1.891	0.843		-0.168
9/8/07	8:00	6.525	6.413	4.341	3.117	1.886	0.827		-0.163
9/8/07	12:00	6.569	6.434	4.418	3.163	2.017	0.82		-0.161
9/8/07	16:00	6.604	6.445	4.465	3.194	2.085	0.85		-0.161
9/8/07	20:00	6.586	6.45	4.418	3.175	1.978	0.881		-0.168
9/9/07	0:00	6.586	6.469	4.399	3.18	1.933	0.878		-0.17
9/9/07	4:00	6.59	6.482	4.392	3.182	1.924	0.871		-0.156
9/9/07	8:00	6.607	6.501	4.404	3.196	1.933	0.869		-0.166
9/9/07	12:00	6.625	6.52	4.421	3.21	1.954	0.874		-0.166
9/9/07	16:00	6.628	6.503	4.43	3.206	1.973	0.881		-0.157
9/9/07	20:00	6.623	6.506	4.423	3.203	1.954	0.888		-0.168

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
9/10/07	0:00	6.616	6.506	4.402	3.192	1.924	0.881		-0.168
9/10/07	4:00	6.6	6.494	4.388	3.175	1.91	0.869		-0.161
9/10/07	8:00	6.602	6.501	4.39	3.182	1.917	0.862		-0.166
9/10/07	12:00	6.602	6.487	4.376	3.189	1.903	0.855		-0.166
9/10/07	16:00	6.588	6.487	4.357	3.156	1.889	0.846		-0.161
9/10/07	20:00	6.59	6.48	4.371	3.159	1.903	0.839		-0.159
9/11/07	0:00	6.581	6.48	4.362	3.154	1.893	0.834		-0.161
9/11/07	4:00	6.56	6.455	4.346	3.131	1.879	0.825		-0.161
9/11/07	8:00	6.543	6.436	4.341	3.117	1.882	0.811		-0.164
9/11/07	12:00	6.607	6.485	4.428	3.189	1.985	0.818		-0.159
9/11/07	16:00	6.649	6.51	4.481	3.231	2.057	0.853		-0.171
9/11/07	20:00	6.647	6.52	4.451	3.22	1.985	0.888		-0.159
9/12/07	0:00	6.625	6.515	4.406	3.199	1.919	0.885		-0.178
9/12/07	4:00	6.611	6.503	4.388	3.182	1.91	0.871		-0.159
9/12/07	8:00	6.604	6.499	4.385	3.178	1.91	0.857		-0.161
9/12/07	12:00	6.635	6.513	4.446	3.208	2.017	0.857		-0.168
9/12/07	16:00	6.661	6.508	4.495	3.236	2.09	0.878		-0.173
9/12/07	20:00	6.628	6.485	4.442	3.196	1.987	0.899		-0.164
9/13/07	0:00	6.597	6.473	4.395	3.173	1.91	0.885		-0.166
9/13/07	4:00	6.576	6.457	4.371	3.152	1.893	0.86		-0.166
9/13/07	8:00	6.56	6.443	4.357	3.135	1.884	0.839		-0.168
9/13/07	12:00	6.621	6.482	4.458	3.208	2.027	0.836		-0.159
9/13/07	16:00	6.672	6.531	4.51	3.262	2.071	0.878		-0.168
9/13/07	20:00	6.67	6.543	4.47	3.25	1.992	0.906		-0.159
9/14/07	0:00	6.675	6.564	4.453	3.252	1.952	0.913		-0.173
9/14/07	4:00	6.682	6.582	4.449	3.257	1.949	0.911		-0.154
9/14/07	8:00	6.703	6.612	4.46	3.278	1.971	0.916		-0.164
9/14/07	12:00	6.74	6.643	4.51	3.318	2.038	0.925		-0.166
9/14/07	16:00	6.766	6.65	4.538	3.332	2.071	0.951		-0.168
9/14/07	20:00	6.764	6.654	4.514	3.323	2.024	0.972		-0.171
9/15/07	0:00	6.75	6.657	4.486	3.311	1.98	0.969		-0.175
9/15/07	4:00	6.743	6.65	4.47	3.297	1.968	0.96		-0.171
9/15/07	8:00	6.733	6.643	4.465	3.288	1.964	0.946		-0.159
9/15/07	12:00	6.74	6.636	4.481	3.29	1.992	0.941		-0.152
9/15/07	16:00	6.717	6.598	4.474	3.267	1.994	0.939		-0.18
9/15/07	20:00	6.691	6.578	4.446	3.243	1.952	0.927		-0.166
9/16/07	0:00	6.67	6.561	4.428	3.224	1.926	0.911		-0.168
9/16/07	4:00	6.644	6.538	4.404	3.203	1.91	0.89		-0.173
9/16/07	8:00	6.635	6.531	4.399	3.199	1.91	0.876		-0.164
9/16/07	12:00	6.656	6.536	4.444	3.224	1.971	0.869		-0.171
9/16/07	16:00	6.665	6.527	4.465	3.229	1.99	0.883		-0.173
9/16/07	20:00	6.647	6.52	4.432	3.208	1.929	0.892		-0.168
9/17/07	0:00	6.611	6.496	4.39	3.175	1.887	0.871		-0.168
9/17/07	4:00	6.597	6.487	4.378	3.163	1.882	0.85		-0.18
9/17/07	8:00	6.604	6.496	4.392	3.175	1.891	0.839		-0.164
9/17/07	12:00	6.665	6.534	4.484	3.238	2.02	0.846		-0.164
9/17/07	16:00	6.712	6.554	4.54	3.281	2.097	0.888		-0.168
9/17/07	20:00	6.698	6.557	4.498	3.267	2.01	0.925		-0.168
9/18/07	0:00	6.689	6.566	4.47	3.26	1.94	0.923		-0.171
9/18/07	4:00	6.663	6.552	4.425	3.217	1.894	0.904		-0.18
9/18/07	8:00	6.632	6.543	4.186	3.182	1.845	0.871		-0.182
9/18/07	12:00	6.588	6.499	4.271	3.112	1.847	0.829		-0.182
9/18/07	16:00	6.569	6.478	4.224	3.072	1.831	0.801		-0.18
9/18/07	20:00	6.285	6.39	3.908	2.953	1.828	0.78		-0.192

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
9/19/07	0:00	5.255	5.995	3.957	2.73	1.812	0.694		-0.182
9/19/07	4:00	5.672	5.983	4.036	2.868	1.814	0.661		-0.175
9/19/07	8:00	6.171	6.132	4.121	2.948	1.849	0.666		-0.175
9/19/07	12:00	6.281	6.241	4.17	2.99	1.852	0.689		-0.175
9/19/07	16:00	6.335	6.262	4.228	3.023	1.908	0.703		-0.178
9/19/07	20:00	6.363	6.276	4.24	3.034	1.887	0.729		-0.173
9/20/07	0:00	6.37	6.283	4.231	3.032	1.845	0.736		-0.178
9/20/07	4:00	6.368	6.276	4.228	3.021	1.84	0.733		-0.187
9/20/07	8:00	6.365	6.269	4.226	3.013	1.833	0.731		-0.175
9/20/07	12:00	6.379	6.269	4.268	3.034	1.91	0.722		-0.166
9/20/07	16:00	6.403	6.262	4.317	3.06	1.994	0.738		-0.175
9/20/07	20:00	6.389	6.253	4.285	3.039	1.91	0.764		-0.173
9/21/07	0:00	6.379	6.257	4.261	3.03	1.847	0.754		-0.175
9/21/07	4:00	6.358	6.239	4.243	3.009	1.821	0.736		-0.18
9/21/07	8:00	6.354	6.232	4.24	3.006	1.826	0.719		-0.178
9/21/07	12:00	6.393	6.255	4.31	3.053	1.948	0.717		-0.18
9/21/07	16:00	6.452	6.318	4.36	3.121	2.013	0.761		-0.18
9/21/07	20:00	6.473	6.348	4.346	3.126	1.948	0.801		-0.178
9/22/07	0:00	6.492	6.383	4.336	3.138	1.899	0.813		-0.18
9/22/07	4:00	6.497	6.394	4.329	3.14	1.894	0.813		-0.182
9/22/07	8:00	6.513	6.413	4.336	3.152	1.906	0.813		-0.175
9/22/07	12:00	6.546	6.429	4.392	3.187	2.015	0.82		-0.18
9/22/07	16:00	6.557	6.422	4.421	3.194	2.053	0.843		-0.173
9/22/07	20:00	6.541	6.415	4.383	3.17	1.964	0.867		-0.189
9/23/07	0:00	6.518	6.401	4.346	3.142	1.894	0.85		-0.171
9/23/07	4:00	6.504	6.387	4.329	3.124	1.878	0.829		-0.173
9/23/07	8:00	6.499	6.387	4.327	3.124	1.875	0.813		-0.178
9/23/07	12:00	6.534	6.406	4.39	3.163	1.98	0.806		-0.168
9/23/07	16:00	6.56	6.408	4.432	3.187	2.065	0.832		-0.182
9/23/07	20:00	6.536	6.399	4.385	3.161	1.966	0.857		-0.18
9/24/07	0:00	6.501	6.378	4.336	3.124	1.875	0.843		-0.175
9/24/07	4:00	6.487	6.369	4.32	3.112	1.857	0.818		-0.178
9/24/07	8:00	6.468	6.35	4.303	3.091	1.845	0.794		-0.18
9/24/07	12:00	6.501	6.371	4.362	3.133	1.938	0.78		-0.171
9/24/07	16:00	6.539	6.392	4.411	3.166	2.023	0.806		-0.175
9/24/07	20:00	6.539	6.406	4.388	3.166	1.955	0.836		-0.175
9/25/07	0:00	6.534	6.366	4.217	3.023	1.878	0.829		-0.192
9/25/07	4:00	6.007	6.197	4.074	2.927	1.833	0.754		-0.185
9/25/07	8:00	6.194	6.241	4.144	2.974	1.845	0.712		-0.192
9/25/07	12:00	6.33	6.285	4.21	3.025	1.894	0.708		-0.192
9/25/07	16:00	6.368	6.285	4.243	3.039	1.901	0.722		-0.18
9/25/07	20:00	6.382	6.292	4.25	3.046	1.882	0.738		-0.178
9/26/07	0:00	6.393	6.306	4.257	3.058	1.868	0.74		-0.18
9/26/07	4:00	6.382	6.29	4.243	3.042	1.857	0.738		-0.175
9/26/07	8:00	6.384	6.285	4.252	3.044	1.861	0.733		-0.178
9/26/07	12:00	6.398	6.285	4.28	3.06	1.922	0.733		-0.178
9/26/07	16:00	6.405	6.276	4.306	3.065	1.971	0.747		-0.192
9/26/07	20:00	6.396	6.271	4.28	3.056	1.899	0.761		-0.194
9/27/07	0:00	6.382	6.264	4.261	3.044	1.859	0.752		-0.187
9/27/07	4:00	6.384	6.269	4.257	3.042	1.852	0.745		-0.175
9/27/07	8:00	6.391	6.281	4.264	3.053	1.861	0.736		-0.178
9/27/07	12:00	6.443	6.32	4.336	3.109	1.969	0.745		-0.185
9/27/07	16:00	6.48	6.339	4.376	3.142	2.046	0.78		-0.185
9/27/07	20:00	6.487	6.362	4.353	3.142	1.96	0.813		-0.187

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
9/28/07	0:00	6.487	6.376	4.332	3.14	1.906	0.815		-0.18
9/28/07	4:00	6.487	6.38	4.322	3.133	1.897	0.808		-0.175
9/28/07	8:00	6.497	6.392	4.327	3.142	1.897	0.806		-0.178
9/28/07	12:00	6.522	6.401	4.376	3.168	1.988	0.808		-0.182
9/28/07	16:00	6.513	6.371	4.39	3.154	2.042	0.82		-0.187
9/28/07	20:00	6.485	6.348	4.346	3.124	1.939	0.832		-0.187
9/29/07	0:00	6.473	6.348	4.327	3.117	1.894	0.818		-0.18
9/29/07	4:00	6.454	6.334	4.313	3.098	1.871	0.794		-0.185
9/29/07	8:00	6.454	6.332	4.31	3.1	1.871	0.78		-0.182
9/29/07	12:00	6.487	6.348	4.357	3.128	1.953	0.785		-0.187
9/29/07	16:00	6.499	6.352	4.385	3.142	2.013	0.799		-0.189
9/29/07	20:00	6.48	6.343	4.343	3.121	1.939	0.815		-0.18
9/30/07	0:00	6.473	6.346	4.336	3.119	1.892	0.804		-0.194
9/30/07	4:00	6.459	6.336	4.313	3.098	1.866	0.792		-0.192
9/30/07	8:00	6.436	6.311	4.289	3.077	1.857	0.771		-0.192
9/30/07	12:00	6.45	6.322	4.322	3.098	1.913	0.764		-0.185
9/30/07	16:00	6.487	6.343	4.385	3.145	2.044	0.775		-0.182
9/30/07	20:00	6.518	6.397	4.374	3.173	1.95	0.813		-0.189
10/1/07	0:00	6.555	6.45	4.388	3.203	1.936	0.832		-0.189
10/1/07	4:00	6.576	6.478	4.39	3.213	1.925	0.843		-0.18
10/1/07	8:00	6.59	6.494	4.388	3.22	1.925	0.853		-0.178
10/1/07	12:00	6.607	6.501	4.413	3.231	1.976	0.855		-0.175
10/1/07	16:00	6.604	6.478	4.432	3.227	2.028	0.864		-0.187
10/1/07	20:00	6.567	6.443	4.385	3.182	1.941	0.871		-0.187
10/2/07	0:00	6.534	6.415	4.353	3.147	1.887	0.846		-0.187
10/2/07	4:00	6.492	6.371	4.32	3.109	1.859	0.813		-0.185
10/2/07	8:00	6.452	6.376	4.247	3.123	1.829	0.78		-0.196
10/2/07	12:00	6.375	6.262	4.104	2.927	1.799	0.724		-0.185
10/2/07	16:00	6.438	6.32	4.273	3.058	1.967	0.708		-0.185
10/2/07	20:00	6.482	6.373	4.306	3.105	1.913	0.745		-0.192
10/3/07	0:00	6.501	6.399	4.308	3.119	1.883	0.764		-0.196
10/3/07	4:00	6.499	6.397	4.303	3.112	1.871	0.768		-0.187
10/3/07	8:00	6.508	6.406	4.313	3.123	1.878	0.771		-0.192
10/3/07	12:00	6.529	6.413	4.353	3.145	1.967	0.775		-0.194
10/3/07	16:00	6.525	6.39	4.367	3.14	2.009	0.794		-0.189
10/3/07	20:00	6.497	6.369	4.329	3.112	1.92	0.806		-0.196
10/4/07	0:00	6.485	6.369	4.313	3.102	1.871	0.792		-0.189
10/4/07	4:00	6.468	6.352	4.301	3.091	1.852	0.775		-0.194
10/4/07	8:00	6.468	6.357	4.301	3.093	1.855	0.766		-0.187
10/4/07	12:00	6.478	6.364	4.306	3.102	1.857	0.761		-0.194
10/4/07	16:00	6.478	6.352	4.334	3.105	1.934	0.759		-0.192
10/4/07	20:00	6.475	6.352	4.317	3.102	1.89	0.768		-0.196
10/5/07	0:00	6.485	6.369	4.317	3.109	1.862	0.768		-0.18
10/5/07	4:00	6.471	6.364	4.259	3.102	1.829	0.764		-0.187
10/5/07	8:00	6.44	6.339	4.205	3.03	1.82	0.74		-0.189
10/5/07	12:00	6.445	6.332	4.252	3.053	1.885	0.722		-0.194
10/5/07	16:00	6.468	6.339	4.306	3.084	1.965	0.736		-0.189
10/5/07	20:00	6.475	6.355	4.313	3.098	1.918	0.764		-0.185
10/6/07	0:00	6.482	6.373	4.306	3.105	1.869	0.768		-0.206
10/6/07	4:00	6.475	6.366	4.292	3.093	1.846	0.764		-0.185
10/6/07	8:00	6.471	6.366	4.292	3.093	1.843	0.757		-0.189
10/6/07	12:00	6.497	6.38	4.327	3.116	1.918	0.754		-0.187
10/6/07	16:00	6.506	6.378	4.35	3.128	1.983	0.771		-0.201
10/6/07	20:00	6.497	6.376	4.329	3.116	1.92	0.792		-0.187

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
10/7/07	0:00	6.475	6.362	4.303	3.098	1.855	0.782		-0.196
10/7/07	4:00	6.473	6.366	4.301	3.098	1.848	0.771		-0.192
10/7/07	8:00	6.48	6.373	4.303	3.107	1.848	0.764		-0.185
10/7/07	12:00	6.508	6.394	4.334	3.133	1.897	0.766		-0.199
10/7/07	16:00	6.525	6.404	4.357	3.147	1.932	0.782		-0.189
10/7/07	20:00	6.522	6.415	4.339	3.147	1.881	0.799		-0.189
10/8/07	0:00	6.506	6.39	4.231	3.098	1.846	0.789		-0.225
10/8/07	4:00	5.658	6.053	3.877	2.727	1.771	0.696		-0.213
10/8/07	8:00	5.431	5.823	3.929	2.723	1.792	0.6		-0.206
10/8/07	12:00	5.548	5.84	3.99	2.777	1.829	0.567		-0.199
10/8/07	16:00	5.817	5.898	4.06	2.826	1.902	0.57		-0.203
10/8/07	20:00	6.025	5.967	4.09	2.863	1.853	0.595		-0.199
10/9/07	0:00	6.089	6.007	4.107	2.889	1.832	0.61		-0.201
10/9/07	4:00	6.112	6.018	4.118	2.896	1.827	0.617		-0.199
10/9/07	8:00	6.143	6.042	4.139	2.92	1.841	0.624		-0.206
10/9/07	12:00	6.182	6.069	4.179	2.957	1.918	0.64		-0.199
10/9/07	16:00	6.203	6.074	4.2	2.969	1.949	0.663		-0.192
10/9/07	20:00	6.21	6.086	4.189	2.966	1.881	0.684		-0.206
10/10/07	0:00	6.21	6.09	4.177	2.964	1.846	0.68		-0.194
10/10/07	4:00	6.215	6.097	4.179	2.969	1.848	0.677		-0.206
10/10/07	8:00	6.22	6.1	4.182	2.971	1.846	0.675		-0.194
10/10/07	12:00	6.239	6.113	4.205	2.988	1.89	0.675		-0.194
10/10/07	16:00	6.227	6.093	4.198	2.971	1.893	0.68		-0.189
10/10/07	20:00	6.227	6.095	4.196	2.969	1.862	0.68		-0.192
10/11/07	0:00	6.229	6.102	4.189	2.971	1.848	0.68		-0.196
10/11/07	4:00	6.236	6.109	4.193	2.976	1.853	0.677		-0.192
10/11/07	8:00	6.243	6.118	4.2	2.985	1.858	0.68		-0.187
10/11/07	12:00	6.243	6.111	4.198	2.976	1.865	0.682		-0.192
10/11/07	16:00	6.218	6.076	4.191	2.952	1.876	0.673		-0.194
10/11/07	20:00	6.215	6.076	4.186	2.952	1.86	0.67		-0.192
10/12/07	0:00	6.222	6.086	4.189	2.959	1.846	0.666		-0.192
10/12/07	4:00	6.22	6.083	4.184	2.955	1.846	0.661		-0.196
10/12/07	8:00	6.218	6.086	4.184	2.955	1.842	0.656		-0.19
10/12/07	12:00	6.234	6.095	4.203	2.971	1.886	0.656		-0.196
10/12/07	16:00	6.222	6.074	4.205	2.957	1.891	0.656		-0.197
10/12/07	20:00	6.22	6.079	4.196	2.959	1.86	0.661		-0.215
10/13/07	0:00	5.733	5.912	3.931	2.72	1.79	0.607		-0.215
10/13/07	4:00	5.711	5.856	3.898	2.676	1.764	0.546		-0.229
10/13/07	8:00	5.742	5.805	3.844	2.622	1.748	0.481		-0.225
10/13/07	12:00	5.8	5.728	3.889	2.622	1.757	0.448		-0.222
10/13/07	16:00	5.817	5.719	3.929	2.648	1.783	0.432		-0.236
10/13/07	20:00	5.84	5.705	3.95	2.648	1.774	0.441		-0.213
10/14/07	0:00	5.861	5.74	3.968	2.699	1.771	0.451		-0.215
10/14/07	4:00	5.866	5.721	3.929	2.673	1.774	0.451		-0.215
10/14/07	8:00	5.831	5.703	3.891	2.655	1.767	0.441		-0.225
10/14/07	12:00	5.765	5.654	3.865	2.587	1.746	0.418		-0.234
10/14/07	16:00	5.711	5.654	3.804	2.599	1.739	0.397		-0.248
10/14/07	20:00	5.216	5.424	3.626	2.402	1.713	0.331		-0.267
10/15/07	0:00	4.675	4.907	3.474	2.092	1.671	0.228		-0.267
10/15/07	4:00	4.476	4.598	3.418	2.027	1.648	0.137		-0.264
10/15/07	8:00	4.454	4.57	3.441	2.048	1.664	0.088		-0.257
10/15/07	12:00	4.501	4.526	3.474	2.09	1.666	0.072		-0.255
10/15/07	16:00	4.572	4.556	3.5	2.116	1.675	0.072		-0.25
10/15/07	20:00	4.703	4.64	3.544	2.172	1.69	0.084		-0.25

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
10/16/07	0:00	4.797	4.672	3.547	2.184	1.685	0.1		-0.246
10/16/07	4:00	4.911	4.744	3.57	2.202	1.69	0.109		-0.243
10/16/07	8:00	4.996	4.805	3.608	2.235	1.7	0.123		-0.243
10/16/07	12:00	5.064	4.863	3.638	2.275	1.723	0.142		-0.243
10/16/07	16:00	5.099	4.886	3.657	2.28	1.737	0.158		-0.241
10/16/07	20:00	5.139	4.921	3.669	2.296	1.727	0.172		-0.241
10/17/07	0:00	5.16	4.941	3.671	2.301	1.706	0.177		-0.246
10/17/07	4:00	5.155	4.93	3.657	2.277	1.69	0.172		-0.243
10/17/07	8:00	5.167	4.941	3.664	2.28	1.688	0.168		-0.26
10/17/07	12:00	5.031	4.849	3.526	2.137	1.669	0.142		-0.276
10/17/07	16:00	4.722	4.693	3.395	1.949	1.627	0.081		-0.276
10/17/07	20:00	4.548	4.491	3.402	1.947	1.641	0.006		-0.271
10/18/07	0:00	4.534	4.454	3.418	1.966	1.638	-0.029		-0.267
10/18/07	4:00	4.541	4.422	3.423	1.945	1.631	-0.05		-0.257
10/18/07	8:00	4.6	4.398	3.453	1.992	1.636	-0.05		-0.26
10/18/07	12:00	4.71	4.487	3.493	2.017	1.657	-0.036		-0.257
10/18/07	16:00	4.827	4.614	3.526	2.102	1.669	-0.008		-0.25
10/18/07	20:00	4.925	4.612	3.573	2.081	1.69	0.027		-0.248
10/19/07	0:00	4.986	4.767	3.594	2.202	1.695	0.063		-0.246
10/19/07	4:00	5.033	4.812	3.615	2.224	1.704	0.088		-0.246
10/19/07	8:00	5.08	4.858	3.643	2.254	1.723	0.112		-0.239
10/19/07	12:00	5.144	4.918	3.69	2.308	1.782	0.137		-0.239
10/19/07	16:00	5.181	4.946	3.711	2.32	1.795	0.165		-0.241
10/19/07	20:00	5.202	4.967	3.706	2.322	1.751	0.186		-0.241
10/20/07	0:00	5.209	4.976	3.697	2.32	1.721	0.186		-0.241
10/20/07	4:00	5.207	4.974	3.692	2.306	1.716	0.177		-0.25
10/20/07	8:00	5.221	4.988	3.701	2.313	1.716	0.175		-0.236
10/20/07	12:00	5.242	4.995	3.727	2.329	1.793	0.175		-0.243
10/20/07	16:00	5.223	4.955	3.723	2.296	1.802	0.179		-0.243
10/20/07	20:00	5.233	4.979	3.713	2.306	1.737	0.186		-0.246
10/21/07	0:00	5.212	4.965	3.687	2.282	1.695	0.175		-0.241
10/21/07	4:00	5.23	4.986	3.697	2.299	1.69	0.165		-0.234
10/21/07	8:00	5.305	5.074	3.765	2.383	1.735	0.179		-0.234
10/21/07	12:00	5.369	5.15	3.812	2.451	1.796	0.217		-0.227
10/21/07	16:00	5.441	5.232	3.849	2.507	1.821	0.264		-0.229
10/21/07	20:00	5.505	5.306	3.875	2.559	1.819	0.308		-0.222
10/22/07	0:00	5.544	5.35	3.875	2.563	1.805	0.338		-0.222
10/22/07	4:00	5.587	5.396	3.901	2.598	1.808	0.357		-0.22
10/22/07	8:00	5.617	5.429	3.908	2.61	1.812	0.376		-0.227
10/22/07	12:00	5.645	5.454	3.924	2.624	1.829	0.387		-0.227
10/22/07	16:00	5.634	5.431	3.915	2.601	1.843	0.39		-0.229
10/22/07	20:00	5.648	5.447	3.915	2.61	1.812	0.392		-0.222
10/23/07	0:00	5.643	5.443	3.903	2.598	1.789	0.39		-0.225
10/23/07	4:00	5.638	5.436	3.901	2.587	1.787	0.38		-0.22
10/23/07	8:00	5.645	5.443	3.908	2.591	1.794	0.376		-0.227
10/23/07	12:00	5.662	5.457	3.926	2.61	1.832	0.378		-0.227
10/23/07	16:00	5.657	5.445	3.933	2.598	1.841	0.383		-0.22
10/23/07	20:00	5.678	5.473	3.936	2.62	1.815	0.392		-0.22
10/24/07	0:00	5.711	5.515	3.959	2.655	1.82	0.404		-0.215
10/24/07	4:00	5.751	5.563	3.978	2.692	1.831	0.42		-0.215
10/24/07	8:00	5.784	5.601	3.992	2.713	1.836	0.441		-0.22
10/24/07	12:00	5.816	5.633	4.013	2.734	1.883	0.458		-0.215
10/24/07	16:00	5.812	5.619	4.001	2.711	1.866	0.469		-0.218
10/24/07	20:00	5.816	5.626	3.997	2.711	1.834	0.469		-0.222

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
10/25/07	0:00	5.816	5.631	3.992	2.709	1.822	0.465		-0.225
10/25/07	4:00	5.812	5.624	3.985	2.694	1.818	0.458		-0.22
10/25/07	8:00	5.814	5.628	3.987	2.697	1.818	0.453		-0.222
10/25/07	12:00	5.826	5.635	3.999	2.706	1.844	0.451		-0.225
10/25/07	16:00	5.791	5.591	3.985	2.669	1.839	0.444		-0.22
10/25/07	20:00	5.791	5.596	3.98	2.671	1.818	0.437		-0.22
10/26/07	0:00	5.8	5.61	3.98	2.676	1.811	0.434		-0.22
10/26/07	4:00	5.802	5.614	3.98	2.676	1.806	0.43		-0.218
10/26/07	8:00	5.816	5.628	3.99	2.69	1.811	0.427		-0.225
10/26/07	12:00	5.838	5.654	4.004	2.709	1.825	0.437		-0.215
10/26/07	16:00	5.849	5.663	4.015	2.716	1.839	0.444		-0.215
10/26/07	20:00	5.87	5.691	4.027	2.737	1.839	0.453		-0.222
10/27/07	0:00	5.901	5.726	4.043	2.767	1.846	0.465		-0.22
10/27/07	4:00	5.934	5.765	4.062	2.798	1.856	0.483		-0.211
10/27/07	8:00	5.971	5.809	4.081	2.826	1.872	0.502		-0.213
10/27/07	12:00	6.016	5.858	4.116	2.866	1.916	0.528		-0.213
10/27/07	16:00	6.032	5.867	4.118	2.866	1.916	0.546		-0.213
10/27/07	20:00	6.044	5.881	4.116	2.866	1.89	0.558		-0.22
10/28/07	0:00	6.056	5.898	4.118	2.873	1.886	0.56		-0.206
10/28/07	4:00	6.063	5.907	4.118	2.87	1.886	0.567		-0.215
10/28/07	8:00	6.07	5.912	4.121	2.873	1.889	0.567		-0.208
10/28/07	12:00	6.079	5.916	4.125	2.877	1.912	0.572		-0.215
10/28/07	16:00	6.056	5.881	4.114	2.844	1.898	0.567		-0.215
10/28/07	20:00	6.046	5.874	4.107	2.84	1.879	0.558		-0.215
10/29/07	0:00	6.039	5.87	4.1	2.835	1.87	0.549		-0.213
10/29/07	4:00	6.03	5.86	4.09	2.823	1.861	0.542		-0.222
10/29/07	8:00	6.027	5.86	4.088	2.821	1.858	0.535		-0.215
10/29/07	12:00	6.039	5.867	4.104	2.833	1.886	0.532		-0.22
10/29/07	16:00	6.025	5.842	4.097	2.814	1.886	0.528		-0.222
10/29/07	20:00	6.006	5.826	4.079	2.795	1.851	0.525		-0.22
10/30/07	0:00	5.997	5.821	4.069	2.791	1.832	0.514		-0.22
10/30/07	4:00	5.983	5.805	4.057	2.774	1.821	0.5		-0.22
10/30/07	8:00	5.976	5.8	4.057	2.772	1.818	0.488		-0.223
10/30/07	12:00	5.976	5.793	4.06	2.767	1.837	0.483		-0.225
10/30/07	16:00	5.957	5.768	4.053	2.744	1.832	0.476		-0.222
10/30/07	20:00	5.945	5.758	4.046	2.739	1.811	0.469		-0.22
10/31/07	0:00	5.957	5.779	4.055	2.76	1.804	0.465		-0.22
10/31/07	4:00	6.011	5.847	4.09	2.812	1.827	0.476		-0.215
10/31/07	8:00	6.074	5.914	4.128	2.873	1.858	0.507		-0.211
10/31/07	12:00	6.126	5.972	4.163	2.915	1.893	0.539		-0.215
10/31/07	16:00	6.14	5.983	4.165	2.912	1.893	0.563		-0.22
10/31/07	20:00	6.154	6	4.165	2.922	1.877	0.579		-0.215
11/1/07	0:00	6.161	6.011	4.165	2.924	1.87	0.586		-0.22
11/1/07	4:00	6.159	6.007	4.158	2.912	1.866	0.586		-0.22
11/1/07	8:00	6.152	5.997	4.151	2.903	1.866	0.581		-0.225
11/1/07	12:00	6.154	5.995	4.153	2.903	1.882	0.581		-0.225
11/1/07	16:00	6.11	5.942	4.125	2.854	1.858	0.57		-0.218
11/1/07	20:00	6.091	5.923	4.116	2.842	1.849	0.553		-0.23
11/2/07	0:00	6.095	5.935	4.121	2.856	1.852	0.549		-0.218
11/2/07	4:00	6.093	5.93	4.118	2.851	1.847	0.542		-0.216
11/2/07	8:00	6.112	5.953	4.137	2.875	1.859	0.542		-0.213
11/2/07	12:00	6.163	6.009	4.172	2.922	1.889	0.56		-0.211
11/2/07	16:00	6.182	6.03	4.184	2.936	1.894	0.579		-0.208
11/2/07	20:00	6.201	6.053	4.191	2.952	1.894	0.595		-0.216

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
11/3/07	0:00	6.217	6.072	4.193	2.962	1.894	0.607		-0.211
11/3/07	4:00	6.217	6.072	4.189	2.952	1.89	0.614		-0.216
11/3/07	8:00	6.213	6.067	4.186	2.948	1.887	0.614		-0.213
11/3/07	12:00	6.199	6.044	4.17	2.926	1.878	0.607		-0.216
11/3/07	16:00	6.147	5.986	4.137	2.87	1.859	0.588		-0.216
11/3/07	20:00	6.133	5.974	4.142	2.872	1.857	0.57		-0.216
11/4/07	0:00	6.147	5.99	4.149	2.891	1.861	0.567		-0.218
11/4/07	4:00	6.161	6.007	4.156	2.898	1.862	0.57		-0.223
11/4/07	8:00	6.159	6.004	4.149	2.894	1.859	0.572		-0.22
11/4/07	12:00	6.147	5.988	4.139	2.877	1.857	0.567		-0.22
11/4/07	16:00	6.105	5.935	4.116	2.833	1.84	0.549		-0.223
11/4/07	20:00	6.081	5.912	4.102	2.816	1.824	0.535		-0.218
11/5/07	0:00	6.084	5.919	4.111	2.83	1.829	0.525		-0.225
11/5/07	4:00	6.098	5.937	4.121	2.847	1.838	0.523		-0.22
11/5/07	8:00	6.185	6.039	4.191	2.94	1.89	0.549		-0.216
11/5/07	12:00	6.243	6.104	4.219	2.99	1.908	0.588		-0.22
11/5/07	16:00	6.262	6.12	4.221	2.992	1.908	0.614		-0.216
11/5/07	20:00	6.29	6.155	4.238	3.018	1.92	0.635		-0.213
11/6/07	0:00	6.316	6.185	4.252	3.036	1.93	0.654		-0.208
11/6/07	4:00	6.328	6.197	4.252	3.039	1.927	0.668		-0.216
11/6/07	8:00	6.342	6.211	4.259	3.048	1.935	0.677		-0.213
11/6/07	12:00	6.358	6.229	4.266	3.058	1.944	0.689		-0.211
11/6/07	16:00	6.335	6.202	4.247	3.025	1.927	0.684		-0.211
11/6/07	20:00	6.328	6.188	4.242	3.02	1.925	0.677		-0.213
11/7/07	0:00	6.325	6.188	4.238	3.018	1.926	0.675		-0.213
11/7/07	4:00	6.309	6.167	4.226	3.001	1.919	0.668		-0.218
11/7/07	8:00	6.285	6.141	4.212	2.976	1.907	0.654		-0.213
11/7/07	12:00	6.246	6.09	4.177	2.931	1.888	0.638		-0.216
11/7/07	16:00	6.196	6.039	4.156	2.896	1.874	0.609		-0.225
11/7/07	20:00	6.182	6.028	4.158	2.894	1.871	0.591		-0.218
11/8/07	0:00	6.196	6.044	4.17	2.915	1.881	0.586		-0.218
11/8/07	4:00	6.21	6.062	4.177	2.929	1.888	0.588		-0.216
11/8/07	8:00	6.22	6.072	4.179	2.933	1.884	0.593		-0.218
11/8/07	12:00	6.231	6.083	4.182	2.943	1.89	0.6		-0.23
11/8/07	16:00	6.22	6.072	4.172	2.924	1.874	0.6		-0.22
11/8/07	20:00	6.231	6.083	4.182	2.943	1.883	0.598		-0.22
11/9/07	0:00	6.243	6.1	4.191	2.954	1.888	0.605		-0.216
11/9/07	4:00	6.262	6.12	4.205	2.971	1.895	0.612		-0.23
11/9/07	8:00	6.297	6.16	4.231	3.001	1.909	0.628		-0.216
11/9/07	12:00	6.321	6.185	4.24	3.015	1.914	0.645		-0.218
11/9/07	16:00	6.313	6.174	4.228	3.001	1.904	0.649		-0.218
11/9/07	20:00	6.311	6.171	4.228	2.997	1.904	0.647		-0.234
11/10/07	0:00	6.311	6.171	4.228	2.997	1.902	0.649		-0.218
11/10/07	4:00	6.306	6.165	4.221	2.99	1.9	0.649		-0.227
11/10/07	8:00	6.292	6.148	4.214	2.976	1.895	0.642		-0.223
11/10/07	12:00	6.271	6.118	4.196	2.952	1.884	0.631		-0.223
11/10/07	16:00	6.217	6.06	4.165	2.901	1.858	0.609		-0.22
11/10/07	20:00	6.206	6.048	4.163	2.901	1.86	0.591		-0.225
11/11/07	0:00	6.199	6.044	4.16	2.898	1.853	0.579		-0.227
11/11/07	4:00	6.201	6.048	4.16	2.903	1.853	0.574		-0.225
11/11/07	8:00	6.21	6.095	4.172	2.969	1.86	0.574		-0.23
11/11/07	12:00	6.224	6.074	4.175	2.924	1.858	0.581		-0.223
11/11/07	16:00	6.222	6.067	4.168	2.912	1.846	0.579		-0.223
11/11/07	20:00	6.257	6.113	4.2	2.957	1.869	0.588		-0.22

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
11/12/07	0:00	6.304	6.165	4.226	2.997	1.885	0.609		-0.223
11/12/07	4:00	6.339	6.206	4.249	3.027	1.9	0.631		-0.218
11/12/07	8:00	6.374	6.246	4.268	3.058	1.919	0.654		-0.22
11/12/07	12:00	6.405	6.278	4.282	3.081	1.93	0.677		-0.213
11/12/07	16:00	6.405	6.278	4.275	3.067	1.916	0.687		-0.225
11/12/07	20:00	6.412	6.285	4.28	3.074	1.916	0.689		-0.223
11/13/07	0:00	6.391	6.26	4.259	3.046	1.9	0.689		-0.218
11/13/07	4:00	6.358	6.218	4.238	3.013	1.889	0.675		-0.218
11/13/07	8:00	6.33	6.185	4.221	2.985	1.879	0.659		-0.23
11/13/07	12:00	6.295	6.146	4.203	2.952	1.865	0.638		-0.223
11/13/07	16:00	6.238	6.081	4.168	2.901	1.848	0.605		-0.225
11/13/07	20:00	6.234	6.081	4.184	2.919	1.865	0.591		-0.23
11/14/07	0:00	6.29	6.146	4.221	2.983	1.891	0.602		-0.22
11/14/07	4:00	6.328	6.192	4.245	3.013	1.9	0.621		-0.22
11/14/07	8:00	6.372	6.241	4.271	3.048	1.916	0.647		-0.216
11/14/07	12:00	6.405	6.271	4.282	3.067	1.921	0.67		-0.223
11/14/07	16:00	6.407	6.276	4.28	3.062	1.914	0.68		-0.223
11/14/07	20:00	6.438	6.313	4.308	3.104	1.942	0.696		-0.223
11/15/07	0:00	6.466	6.343	4.317	3.121	1.947	0.715		-0.213
11/15/07	4:00	6.478	6.357	4.32	3.128	1.948	0.731		-0.22
11/15/07	8:00	6.487	6.364	4.324	3.13	1.955	0.738		-0.225
11/15/07	12:00	6.489	6.366	4.32	3.128	1.955	0.743		-0.223
11/15/07	16:00	6.442	6.311	4.289	3.079	1.929	0.729		-0.218
11/15/07	20:00	6.412	6.276	4.266	3.046	1.917	0.71		-0.232
11/16/07	0:00	6.379	6.239	4.245	3.018	1.905	0.689		-0.232
11/16/07	4:00	6.337	6.192	4.221	2.98	1.887	0.666		-0.23
11/16/07	8:00	6.311	6.165	4.217	2.969	1.889	0.642		-0.225
11/16/07	12:00	6.299	6.148	4.212	2.959	1.887	0.631		-0.227
11/16/07	16:00	6.292	6.144	4.21	2.954	1.882	0.623		-0.225
11/16/07	20:00	6.309	6.165	4.226	2.975	1.884	0.626		-0.232
11/17/07	0:00	6.32	6.176	4.231	2.985	1.889	0.628		-0.23
11/17/07	4:00	6.335	6.192	4.238	2.997	1.889	0.635		-0.223
11/17/07	8:00	6.353	6.216	4.254	3.018	1.903	0.645		-0.223
11/17/07	12:00	6.386	6.255	4.273	3.046	1.92	0.659		-0.23
11/17/07	16:00	6.388	6.25	4.264	3.036	1.908	0.668		-0.23
11/17/07	20:00	6.412	6.281	4.287	3.069	1.926	0.677		-0.218
11/18/07	0:00	6.435	6.304	4.294	3.083	1.926	0.691		-0.225
11/18/07	4:00	6.445	6.315	4.296	3.086	1.927	0.698		-0.218
11/18/07	8:00	6.438	6.304	4.287	3.065	1.92	0.703		-0.225
11/18/07	12:00	6.447	6.315	4.299	3.079	1.924	0.705		-0.227
11/18/07	16:00	6.412	6.276	4.271	3.046	1.908	0.696		-0.22
11/18/07	20:00	6.421	6.285	4.282	3.06	1.912	0.691		-0.223
11/19/07	0:00	6.424	6.288	4.28	3.06	1.91	0.689		-0.227
11/19/07	4:00	6.405	6.267	4.266	3.039	1.901	0.682		-0.237
11/19/07	8:00	6.391	6.253	4.264	3.032	1.899	0.675		-0.22
11/19/07	12:00	6.396	6.255	4.268	3.039	1.903	0.67		-0.232
11/19/07	16:00	6.384	6.243	4.257	3.022	1.891	0.666		-0.23
11/19/07	20:00	6.388	6.25	4.259	3.029	1.894	0.661		-0.241
11/20/07	0:00	6.388	6.25	4.257	3.027	1.891	0.663		-0.237
11/20/07	4:00	6.377	6.239	4.252	3.018	1.884	0.659		-0.234
11/20/07	8:00	6.384	6.248	4.261	3.027	1.894	0.656		-0.237
11/20/07	12:00	6.405	6.271	4.275	3.048	1.899	0.661		-0.23
11/20/07	16:00	6.442	6.311	4.296	3.083	1.915	0.675		-0.227
11/20/07	20:00	6.482	6.362	4.324	3.121	1.934	0.698		-0.227

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
11/21/07	0:00	6.501	6.383	4.332	3.135	1.943	0.719		-0.225
11/21/07	4:00	6.52	6.401	4.341	3.149	1.953	0.733		-0.225
11/21/07	8:00	6.539	6.427	4.36	3.17	1.96	0.747		-0.227
11/21/07	12:00	6.557	6.443	4.364	3.179	1.969	0.764		-0.232
11/21/07	16:00	6.567	6.452	4.364	3.184	1.972	0.771		-0.223
11/21/07	20:00	6.583	6.473	4.376	3.198	1.986	0.782		-0.223
11/22/07	0:00	6.602	6.489	4.385	3.214	1.993	0.796		-0.225
11/22/07	4:00	6.609	6.499	4.39	3.222	2	0.808		-0.225
11/22/07	8:00	6.618	6.513	4.397	3.226	2.005	0.813		-0.218
11/22/07	12:00	6.635	6.531	4.406	3.24	2.017	0.827		-0.223
11/22/07	16:00	6.628	6.52	4.397	3.226	2.005	0.829		-0.22
11/22/07	20:00	6.637	6.531	4.406	3.238	2.014	0.832		-0.218
11/23/07	0:00	6.642	6.534	4.409	3.243	2.019	0.834		-0.218
11/23/07	4:00	6.63	6.517	4.399	3.224	2.01	0.834		-0.218
11/23/07	8:00	6.614	6.499	4.392	3.214	2.008	0.827		-0.23
11/23/07	12:00	6.609	6.492	4.388	3.205	2.003	0.82		-0.227
11/23/07	16:00	6.564	6.441	4.343	3.154	1.98	0.803		-0.225
11/23/07	20:00	6.553	6.429	4.346	3.154	1.991	0.789		-0.225
11/24/07	0:00	6.555	6.431	4.35	3.158	1.998	0.785		-0.223
11/24/07	4:00	6.555	6.434	4.353	3.161	1.998	0.785		-0.22
11/24/07	8:00	6.557	6.436	4.357	3.168	2.003	0.785		-0.225
11/24/07	12:00	6.56	6.438	4.355	3.165	2.001	0.787		-0.225
11/24/07	16:00	6.546	6.422	4.343	3.146	1.991	0.78		-0.23
11/24/07	20:00	6.546	6.422	4.343	3.149	1.994	0.78		-0.227
11/25/07	0:00	6.543	6.422	4.35	3.154	1.996	0.778		-0.232
11/25/07	4:00	6.522	6.397	4.334	3.13	1.987	0.768		-0.225
11/25/07	8:00	6.513	6.385	4.329	3.121	1.985	0.761		-0.227
11/25/07	12:00	6.51	6.38	4.324	3.116	1.98	0.759		-0.23
11/25/07	16:00	6.496	6.366	4.317	3.109	1.98	0.75		-0.232
11/25/07	20:00	6.496	6.369	4.324	3.114	1.984	0.745		-0.232
11/26/07	0:00	6.513	6.387	4.334	3.132	1.989	0.752		-0.237
11/26/07	4:00	6.539	6.417	4.355	3.156	2.001	0.761		-0.223
11/26/07	8:00	6.571	6.455	4.376	3.186	2.013	0.775		-0.223
11/26/07	12:00	6.609	6.496	4.399	3.219	2.024	0.799		-0.225
11/26/07	16:00	6.621	6.508	4.399	3.221	2.027	0.81		-0.23
11/26/07	20:00	6.639	6.529	4.411	3.238	2.034	0.822		-0.223
11/27/07	0:00	6.639	6.527	4.404	3.233	2.031	0.832		-0.237
11/27/07	4:00	6.644	6.534	4.411	3.238	2.038	0.834		-0.232
11/27/07	8:00	6.658	6.547	4.421	3.254	2.046	0.843		-0.232
11/27/07	12:00	6.66	6.55	4.418	3.252	2.041	0.85		-0.227
11/27/07	16:00	6.597	6.473	4.362	3.177	2.008	0.834		-0.23
11/27/07	20:00	6.548	6.422	4.346	3.137	2.003	0.801		-0.232
11/28/07	0:00	6.522	6.39	4.324	3.111	1.987	0.782		-0.232
11/28/07	4:00	6.499	6.366	4.322	3.104	1.989	0.761		-0.232
11/28/07	8:00	6.539	6.417	4.364	3.163	2.02	0.764		-0.23
11/28/07	12:00	6.592	6.475	4.392	3.21	2.036	0.785		-0.239
11/28/07	16:00	6.621	6.508	4.404	3.226	2.036	0.808		-0.23
11/28/07	20:00	6.658	6.552	4.43	3.261	2.057	0.829		-0.225
11/29/07	0:00	6.679	6.573	4.432	3.271	2.06	0.85		-0.218
11/29/07	4:00	6.677	6.571	4.432	3.264	2.06	0.857		-0.225
11/29/07	8:00	6.679	6.571	4.437	3.266	2.062	0.862		-0.225
11/29/07	12:00	6.67	6.559	4.425	3.252	2.055	0.862		-0.234
11/29/07	16:00	6.623	6.503	4.385	3.203	2.034	0.843		-0.23
11/29/07	20:00	6.609	6.492	4.388	3.2	2.041	0.827		-0.23

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
11/30/07	0:00	6.642	6.531	4.418	3.243	2.064	0.832		-0.234
11/30/07	4:00	6.703	6.605	4.46	3.303	2.095	0.857		-0.223
11/30/07	8:00	6.733	6.638	4.474	3.329	2.1	0.885		-0.216
11/30/07	12:00	6.757	6.663	4.484	3.343	2.102	0.906		-0.23
11/30/07	16:00	6.738	6.636	4.458	3.308	2.088	0.904		-0.227
11/30/07	20:00	6.717	6.61	4.444	3.285	2.084	0.897		-0.22
12/1/07	0:00	6.691	6.578	4.428	3.261	2.069	0.885		-0.232
12/1/07	4:00	6.639	6.52	4.392	3.205	2.049	0.862		-0.239
12/1/07	8:00	6.578	6.445	4.332	3.142	2.011	0.82		-0.235
12/1/07	12:00	6.499	6.364	4.161	3.004	1.96	0.764		-0.248
12/1/07	16:00	6.339	6.218	3.971	2.912	1.918	0.687		-0.244
12/1/07	20:00	6.339	6.234	4.125	2.943	1.985	0.649		-0.237
12/2/07	0:00	6.402	6.299	4.207	3.022	2.006	0.661		-0.244
12/2/07	4:00	6.463	6.359	4.268	3.086	2.023	0.691		-0.237
12/2/07	8:00	6.527	6.427	4.322	3.153	2.053	0.731		-0.232
12/2/07	12:00	6.588	6.496	4.364	3.207	2.074	0.771		-0.225
12/2/07	16:00	6.632	6.543	4.392	3.243	2.086	0.81		-0.23
12/2/07	20:00	6.684	6.601	4.428	3.289	2.107	0.846		-0.225
12/3/07	0:00	6.721	6.64	4.453	3.322	2.117	0.876		-0.234
12/3/07	4:00	6.724	6.633	4.446	3.301	2.105	0.888		-0.216
12/3/07	8:00	6.724	6.624	4.449	3.299	2.105	0.895		-0.23
12/3/07	12:00	6.705	6.601	4.43	3.275	2.093	0.89		-0.23
12/3/07	16:00	6.639	6.524	4.385	3.207	2.077	0.867		-0.232
12/3/07	20:00	6.623	6.508	4.383	3.203	2.084	0.848		-0.237
12/4/07	0:00	6.618	6.503	4.383	3.203	2.081	0.841		-0.228
12/4/07	4:00	6.599	6.482	4.371	3.186	2.075	0.829		-0.235
12/4/07	8:00	6.592	6.473	4.371	3.182	2.072	0.822		-0.235
12/4/07	12:00	6.581	6.464	4.369	3.172	2.065	0.815		-0.239
12/4/07	16:00	6.534	6.404	4.322	3.114	2.039	0.792		-0.237
12/4/07	20:00	6.515	6.387	4.329	3.116	2.044	0.778		-0.235
12/5/07	0:00	6.515	6.387	4.332	3.123	2.046	0.771		-0.239
12/5/07	4:00	6.578	6.466	4.388	3.2	2.079	0.787		-0.235
12/5/07	8:00	6.66	6.561	4.435	3.273	2.105	0.824		-0.23
12/5/07	12:00	6.717	6.624	4.465	3.317	2.119	0.867		-0.239
12/5/07	16:00	6.717	6.617	4.449	3.294	2.1	0.881		-0.235
12/5/07	20:00	6.726	6.626	4.456	3.301	2.11	0.89		-0.223
12/6/07	0:00	6.712	6.605	4.449	3.287	2.105	0.888		-0.228
12/6/07	4:00	6.677	6.566	4.425	3.252	2.089	0.881		-0.228
12/6/07	8:00	6.665	6.552	4.423	3.245	2.089	0.867		-0.228
12/6/07	12:00	6.656	6.538	4.416	3.235	2.089	0.86		-0.239
12/6/07	16:00	6.62	6.499	4.392	3.179	2.075	0.836		-0.235
12/6/07	20:00	6.632	6.517	4.409	3.107	2.094	0.836		-0.235
12/7/07	0:00	6.658	6.547	4.425	3.09	2.096	0.846		-0.239
12/7/07	4:00	6.681	6.573	4.437	3.116	2.103	0.857		-0.23
12/7/07	8:00	6.703	6.598	4.451	3.081	2.108	0.869		-0.235
12/7/07	12:00	6.719	6.615	4.456	3.294	2.11	0.881		-0.239
12/7/07	16:00	6.719	6.615	4.453	3.292	2.108	0.888		-0.228
12/7/07	20:00	6.738	6.64	4.472	3.317	2.119	0.895		-0.237
12/8/07	0:00	6.761	6.663	4.484	3.336	2.129	0.911		-0.232
12/8/07	4:00	6.775	6.682	4.488	3.343	2.131	0.925		-0.23
12/8/07	8:00	6.789	6.698	4.503	3.364	2.141	0.932		-0.232
12/8/07	12:00	6.81	6.724	4.514	3.381	2.148	0.948		-0.223
12/8/07	16:00	6.806	6.712	4.502	3.36	2.138	0.951		-0.235
12/8/07	20:00	6.815	6.724	4.514	3.376	2.148	0.953		-0.225

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
12/9/07	0:00	6.824	6.733	4.521	3.383	2.155	0.96		-0.223
12/9/07	4:00	6.817	6.721	4.51	3.371	2.148	0.96		-0.225
12/9/07	8:00	6.822	6.731	4.517	3.378	2.155	0.96		-0.23
12/9/07	12:00	6.831	6.738	4.519	3.383	2.155	0.967		-0.23
12/9/07	16:00	6.808	6.71	4.502	3.357	2.146	0.958		-0.23
12/9/07	20:00	6.803	6.705	4.502	3.355	2.148	0.955		-0.235
12/10/07	0:00	6.806	6.708	4.502	3.36	2.148	0.953		-0.228
12/10/07	4:00	6.794	6.694	4.495	3.346	2.148	0.951		-0.237
12/10/07	8:00	6.785	6.682	4.493	3.343	2.148	0.946		-0.232
12/10/07	12:00	6.785	6.684	4.491	3.341	2.146	0.941		-0.23
12/10/07	16:00	6.766	6.663	4.481	3.317	2.139	0.932		-0.228
12/10/07	20:00	6.759	6.654	4.477	3.226	2.139	0.925		-0.232
12/11/07	0:00	6.761	6.657	4.479	3.282	2.141	0.923		-0.235
12/11/07	4:00	6.756	6.654	4.474	3.299	2.143	0.916		-0.232
12/11/07	8:00	6.749	6.645	4.46	3.287	2.136	0.911		-0.23
12/11/07	12:00	6.785	6.682	4.477	3.31	2.143	0.923		-0.232
12/11/07	16:00	6.782	6.687	4.484	3.331	2.15	0.923		-0.23
12/11/07	20:00	6.817	6.726	4.51	3.374	2.165	0.939		-0.23
12/12/07	0:00	6.831	6.74	4.512	3.381	2.162	0.955		-0.244
12/12/07	4:00	6.841	6.752	4.517	3.388	2.169	0.965		-0.23
12/12/07	8:00	6.841	6.749	4.517	3.385	2.165	0.969		-0.239
12/12/07	12:00	6.845	6.754	4.521	3.39	2.169	0.969		-0.232
12/12/07	16:00	6.796	6.696	4.484	3.331	2.143	0.955		-0.235
12/12/07	20:00	6.775	6.673	4.477	3.322	2.146	0.941		-0.237
12/13/07	0:00	6.759	6.657	4.465	3.308	2.144	0.93		-0.232
12/13/07	4:00	6.745	6.636	4.456	3.299	2.139	0.923		-0.221
12/13/07	8:00	6.761	6.659	4.479	3.324	2.155	0.918		-0.232
12/13/07	12:00	6.801	6.708	4.505	3.362	2.162	0.932		-0.237
12/13/07	16:00	6.806	6.71	4.498	3.357	2.157	0.944		-0.239
12/13/07	20:00	6.827	6.733	4.512	3.376	2.164	0.951		-0.237
12/14/07	0:00	6.848	6.759	4.524	3.397	2.172	0.965		-0.232
12/14/07	4:00	6.859	6.775	4.533	3.411	2.179	0.976		-0.242
12/14/07	8:00	6.871	6.786	4.54	3.421	2.184	0.986		-0.23
12/14/07	12:00	6.885	6.8	4.547	3.43	2.183	0.993		-0.235
12/14/07	16:00	6.86	6.77	4.524	3.395	2.17	0.988		-0.228
12/14/07	20:00	6.869	6.777	4.535	3.406	2.179	0.988		-0.228
12/15/07	0:00	6.862	6.77	4.528	3.397	2.174	0.99		-0.239
12/15/07	4:00	6.852	6.761	4.528	3.395	2.174	0.983		-0.246
12/15/07	8:00	6.827	6.728	4.505	3.364	2.163	0.969		-0.239
12/15/07	12:00	6.829	6.731	4.51	3.369	2.17	0.967		-0.239
12/15/07	16:00	6.794	6.691	4.488	3.331	2.156	0.951		-0.228
12/15/07	20:00	6.794	6.696	4.491	3.343	2.16	0.946		-0.237
12/16/07	0:00	6.794	6.696	4.495	3.343	2.16	0.946		-0.244
12/16/07	4:00	6.801	6.703	4.5	3.353	2.167	0.946		-0.237
12/16/07	8:00	6.815	6.717	4.51	3.364	2.17	0.951		-0.174
12/16/07	12:00	6.836	6.742	4.524	3.383	2.174	0.96		-0.05
12/16/07	16:00	6.838	6.745	4.521	3.378	2.17	0.96		-0.122
12/16/07	20:00	6.845	6.752	4.524	3.39	2.172	0.967		-0.207
12/17/07	0:00	6.852	6.759	4.528	3.392	2.172	0.974		-0.146
12/17/07	4:00	6.845	6.749	4.524	3.385	2.173	0.972		-0.066
12/17/07	8:00	6.838	6.742	4.519	3.378	2.168	0.972		0.28
12/17/07	12:00	6.843	6.747	4.519	3.381	2.168	0.967		0.628
12/17/07	16:00	6.803	6.701	4.488	3.336	2.149	0.955		0.618
12/17/07	20:00	6.789	6.689	4.491	3.336	2.16	0.946		0.733

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
12/18/07	0:00	6.78	6.675	4.477	3.322	2.146	0.937		0.826
12/18/07	4:00	6.763	6.659	4.474	3.31	2.144	0.927		0.791
12/18/07	8:00	6.773	6.67	4.488	3.329	2.154	0.927		0.95
12/18/07	12:00	6.812	6.717	4.514	3.369	2.168	0.939		0.516
12/18/07	16:00	6.824	6.726	4.517	3.371	2.163	0.948		-0.267
12/18/07	20:00	6.85	6.761	4.535	3.399	2.175	0.96		-0.239
12/19/07	0:00	6.869	6.78	4.54	3.409	2.177	0.972		-0.188
12/19/07	4:00	6.871	6.782	4.535	3.409	2.175	0.979		-0.036
12/19/07	8:00	6.859	6.763	4.526	3.395	2.17	0.979		0.268
12/19/07	12:00	6.869	6.777	4.535	3.406	2.175	0.981		-0.143
12/19/07	16:00	6.824	6.724	4.5	3.355	2.154	0.969		-0.286
12/19/07	20:00	6.808	6.708	4.491	3.346	2.156	0.958		-0.241
12/20/07	0:00	6.801	6.698	4.491	3.341	2.151	0.948		-0.258
12/20/07	4:00	6.784	6.682	4.484	3.331	2.151	0.941		-0.274
12/20/07	8:00	6.789	6.687	4.491	3.338	2.156	0.937		-0.174
12/20/07	12:00	6.808	6.712	4.505	3.362	2.163	0.941		-0.057
12/20/07	16:00	6.796	6.696	4.493	3.346	2.154	0.941		-0.073
12/20/07	20:00	6.803	6.708	4.5	3.352	2.158	0.944		-0.031
12/21/07	0:00	6.803	6.703	4.498	3.35	2.156	0.941		-0.05
12/21/07	4:00	6.808	6.708	4.503	3.357	2.156	0.944		-0.089
12/21/07	8:00	6.796	6.696	4.495	3.345	2.154	0.939		0.06
12/21/07	12:00	6.794	6.691	4.493	3.343	2.151	0.939		-0.235
12/21/07	16:00	6.761	6.654	4.47	3.306	2.132	0.925		-0.129
12/21/07	20:00	6.775	6.675	4.484	3.329	2.146	0.925		-0.071
12/22/07	0:00	6.803	6.708	4.5	3.357	2.156	0.932		-0.155
12/22/07	4:00	6.859	6.77	4.538	3.416	2.172	0.955		-0.19
12/22/07	8:00	6.892	6.812	4.552	3.439	2.184	0.976		-0.207
12/22/07	12:00	6.918	6.844	4.566	3.463	2.191	1		-0.01
12/22/07	16:00	6.892	6.807	4.54	3.418	2.175	1		0.039
12/22/07	20:00	6.895	6.81	4.547	3.423	2.18	1.002		0.086
12/23/07	0:00	6.878	6.791	4.535	3.406	2.175	0.997		0.209
12/23/07	4:00	6.883	6.793	4.542	3.416	2.182	0.995		0.076
12/23/07	8:00	6.887	6.798	4.549	3.423	2.187	0.988		0.048
12/23/07	12:00	6.909	6.821	4.563	3.444	2.194	1.014		0.212
12/23/07	16:00	6.918	6.835	4.568	3.451	2.189	1.009		0.158
12/23/07	20:00	6.934	6.856	4.58	3.472	2.201	1.016		0.16
12/24/07	0:00	6.948	6.868	4.587	3.481	2.203	1.03		0.128
12/24/07	4:00	6.958	6.879	4.592	3.486	2.206	1.035		0.13
12/24/07	8:00	6.962	6.882	4.594	3.488	2.203	1.042		0.455
12/24/07	12:00	6.967	6.889	4.599	3.491	2.201	1.04		0.572
12/24/07	16:00	6.941	6.856	4.575	3.458	2.187	1.035		0.567
12/24/07	20:00	6.92	6.833	4.563	3.442	2.189	1.023		0.597
12/25/07	0:00	6.908	6.817	4.554	3.43	2.185	1.016		0.794
12/25/07	4:00	6.894	6.803	4.545	3.42	2.187	1.007		0.78
12/25/07	8:00	6.901	6.814	4.556	3.434	2.194	1.004		0.752
12/25/07	12:00	6.927	6.842	4.573	3.458	2.198	1.011		-0.248
12/25/07	16:00	6.909	6.821	4.554	3.434	2.184	1.011		-0.447
12/25/07	20:00	6.937	6.854	4.577	3.467	2.206	1.018		-0.44
12/26/07	0:00	6.953	6.872	4.582	3.472	2.203	1.025		-0.445
12/26/07	4:00	6.953	6.868	4.577	3.47	2.201	1.033		-0.437
12/26/07	8:00	6.96	6.879	4.587	3.479	2.212	1.035		-0.44
12/26/07	12:00	6.96	6.877	4.582	3.474	2.208	1.037		-0.449
12/26/07	16:00	6.944	6.863	4.57	3.46	2.198	1.033		-0.454
12/26/07	20:00	6.96	6.879	4.582	3.474	2.208	1.037		-0.533

TABLE S1.3 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well							
		PMW1S	PMW1D	PMW2SA	PMW2D	PMW9S	PMW9D	PMW3S	PMW3D
12/27/07	0:00	6.967	6.889	4.587	3.484	2.208	1.04		-0.47
12/27/07	4:00	6.976	6.9	4.599	3.495	2.219	1.044		-0.428
12/27/07	8:00	6.993	6.916	4.61	3.512	2.225	1.054		-0.325
12/27/07	12:00	7.007	6.933	4.617	3.521	2.225	1.065		-0.162
12/27/07	16:00	6.998	6.919	4.608	3.505	2.213	1.065		-0.201
12/27/07	20:00	7.005	6.928	4.615	3.514	2.222	1.068		-0.197
12/28/07	0:00	6.998	6.921	4.61	3.505	2.218	1.068		-0.152
12/28/07	4:00	6.991	6.907	4.603	3.5	2.22	1.063		-0.113
12/28/07	8:00	6.965	6.882	4.592	3.477	2.213	1.054		-0.066
12/28/07	12:00	6.974	6.891	4.599	3.488	2.215	1.051		-0.019
12/28/07	16:00	6.965	6.879	4.589	3.477	2.208	1.044		-0.199
12/28/07	20:00	6.981	6.898	4.601	3.495	2.215	1.051		-0.267
12/29/07	0:00	6.993	6.912	4.61	3.507	2.222	1.054		-0.269
12/29/07	4:00	6.995	6.914	4.61	3.505	2.225	1.056		-0.29
12/29/07	8:00	6.995	6.912	4.613	3.505	2.229	1.061		-0.127
12/29/07	12:00	7.005	6.923	4.62	3.514	2.229	1.068		0.077
12/29/07	16:00	6.981	6.893	4.601	3.488	2.204	1.056		-0.11
12/29/07	20:00	6.983	6.9	4.603	3.495	2.206	1.056		-0.162
12/30/07	0:00	6.988	6.903	4.603	3.498	2.206	1.054		-0.169
12/30/07	4:00	6.972	6.886	4.596	3.484	2.206	1.042		-0.141
12/30/07	8:00	6.948	6.858	4.584	3.46	2.197	1.028		-0.045
12/30/07	2:00	6.946	6.856	4.589	3.465	2.201	1.049		0.088
12/30/07	16:00	6.932	6.84	4.575	3.453	2.18	1.035		-0.134
12/30/07	20:00	6.948	6.858	4.587	3.467	2.18	1.03		-0.199
12/31/07	0:00	6.962	6.875	4.601	3.484	2.19	1.03		-0.075
12/31/07	4:00	6.965	6.877	4.601	3.481	2.185	1.037		-0.106
12/31/07	8:00	6.988	6.905	4.617	3.505	2.187	1.051		-0.136
12/31/07	12:00	7.023	6.951	4.645	3.542	2.201	1.049		-0.162
12/31/07	16:00	7.047	6.981	4.657	3.566	2.213	1.068		-0.271
12/31/07	20:00	7.089	7.032	4.681	3.613	2.239	1.098		

TABLE S1.4 Automatically measured water levels
in downgradient wells in 2007.

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/1/07	0:00	9.069	5.296	2.983	5.521	2.512
1/1/07	4:00	9.064	5.403	3.023	5.472	2.584
1/1/07	8:00	9.074	5.492	3.072	5.696	2.673
1/1/07	12:00	9.088	5.56	3.107	6.136	2.75
1/1/07	16:00	9.106	5.606	3.137	6.185	2.811
1/1/07	20:00	9.13	5.648	3.165	6.231	2.871
1/2/07	0:00	9.148	5.683	3.202	6.269	2.939
1/2/07	4:00	9.172	5.714	3.242	6.306	3.002
1/2/07	8:00	9.197	5.744	3.279	6.334	3.058
1/2/07	12:00	9.211	5.76	3.296	6.348	3.095
1/2/07	16:00	9.227	5.779	3.298	6.357	3.107
1/2/07	20:00	9.246	5.798	3.307	6.369	3.128
1/3/07	0:00	9.265	5.807	3.326	6.38	3.156
1/3/07	4:00	9.281	5.821	3.342	6.394	3.184
1/3/07	8:00	9.297	5.835	3.365	6.406	3.207
1/3/07	12:00	9.304	5.837	3.347	6.397	3.193
1/3/07	16:00	9.307	5.807	3.237	6.352	2.941
1/3/07	20:00	9.297	5.763	3.228	6.322	2.904
1/4/07	0:00	9.281	5.721	3.233	6.308	2.857
1/4/07	4:00	9.262	5.681	3.23	6.299	2.834
1/4/07	8:00	9.244	5.648	3.233	6.294	2.799
1/4/07	12:00	9.19	5.42	3.086	6.206	2.54
1/4/07	16:00	9.025	4.899	2.906	5.95	2.339
1/4/07	20:00	8.901	4.988	2.946	5.884	2.414
1/5/07	0:00	8.817	5.09	2.985	5.896	2.498
1/5/07	4:00	8.733	5.151	3.02	5.915	2.589
1/5/07	8:00	8.68	5.216	3.062	5.961	2.697
1/5/07	12:00	8.638	5.251	3.02	5.973	2.729
1/5/07	16:00	8.619	5.24	2.953	5.928	2.68
1/5/07	20:00	8.601	5.251	3	5.964	2.762
1/6/07	0:00	8.596	5.291	3.051	6.001	2.846
1/6/07	4:00	8.598	5.329	3.111	6.045	2.932
1/6/07	8:00	8.619	5.377	3.177	6.101	3.03
1/6/07	12:00	8.624	5.396	3.142	6.103	3
1/6/07	16:00	8.642	5.415	3.093	6.099	2.988
1/6/07	20:00	8.666	5.445	3.16	6.122	3.06
1/7/07	0:00	8.687	5.469	3.212	6.145	3.114
1/7/07	4:00	8.715	5.499	3.247	6.178	3.156
1/7/07	8:00	8.757	5.546	3.289	6.229	3.2
1/7/07	12:00	8.792	5.564	3.265	6.245	3.193
1/7/07	16:00	8.82	5.588	3.247	6.252	3.21
1/7/07	20:00	8.843	5.597	3.31	6.269	3.242
1/8/07	0:00	8.855	5.604	3.354	6.275	3.277
1/8/07	4:00	8.864	5.616	3.38	6.283	3.303
1/8/07	8:00	8.894	5.648	3.419	6.313	3.345
1/8/07	12:00	8.927	5.669	3.298	6.317	3.277
1/8/07	16:00	8.964	5.688	3.153	6.283	3.217
1/8/07	20:00	9.004	5.716	3.235	6.292	3.263
1/9/07	0:00	9.036	5.744	3.307	6.324	3.312
1/9/07	4:00	9.076	5.777	3.384	6.366	3.361
1/9/07	8:00	9.106	5.798	3.44	6.413	3.396
1/9/07	12:00	9.132	5.812	3.429	6.427	3.394
1/9/07	16:00	9.144	5.814	3.415	6.418	3.396
1/9/07	20:00	9.153	5.816	3.461	6.422	3.42
1/10/07	0:00	9.155	5.816	3.492	6.42	3.443
1/10/07	4:00	9.153	5.814	3.513	6.411	3.457
1/10/07	8:00	9.158	5.819	3.531	6.411	3.476
1/10/07	12:00	9.155	5.809	3.405	6.376	3.406
1/10/07	16:00	9.165	5.809	3.293	6.336	3.34
1/10/07	20:00	9.183	5.821	3.342	6.341	3.368

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/11/07	0:00	9.195	5.83	3.37	6.352	3.392
1/11/07	4:00	9.209	5.835	3.396	6.364	3.413
1/11/07	8:00	9.223	5.851	3.422	6.38	3.438
1/11/07	12:00	9.241	5.861	3.405	6.39	3.445
1/11/07	16:00	9.272	5.889	3.45	6.432	3.476
1/11/07	20:00	9.309	5.921	3.531	6.487	3.513
1/12/07	0:00	9.342	5.942	3.638	6.541	3.55
1/12/07	4:00	9.37	5.963	3.736	6.59	3.595
1/12/07	8:00	9.398	5.991	3.825	6.641	3.639
1/12/07	12:00	9.416	5.996	3.851	6.662	3.653
1/12/07	16:00	9.43	6.01	3.858	6.671	3.658
1/12/07	20:00	9.456	6.024	3.9	6.702	3.686
1/13/07	0:00	9.47	6.022	3.932	6.725	3.702
1/13/07	4:00	9.479	6.038	3.953	6.73	3.707
1/13/07	8:00	9.491	6.047	3.96	6.739	3.718
1/13/07	12:00	9.502	6.05	3.935	6.73	3.716
1/13/07	16:00	9.507	6.05	3.881	6.704	3.704
1/13/07	20:00	9.516	6.057	3.862	6.702	3.709
1/14/07	0:00	9.526	6.061	3.848	6.699	3.709
1/14/07	4:00	9.537	6.068	3.839	6.699	3.711
1/14/07	8:00	9.549	6.071	3.83	6.699	3.709
1/14/07	12:00	9.549	6.066	3.802	6.683	3.693
1/14/07	16:00	9.554	6.071	3.771	6.671	3.683
1/14/07	20:00	9.563	6.078	3.743	6.665	3.672
1/15/07	0:00	9.572	6.082	3.734	6.667	3.669
1/15/07	4:00	9.589	6.092	3.739	6.683	3.674
1/15/07	8:00	9.607	6.106	3.764	6.706	3.688
1/15/07	12:00	9.621	6.115	3.781	6.72	3.697
1/15/07	16:00	9.633	6.124	3.778	6.725	3.702
1/15/07	20:00	9.647	6.136	3.792	6.739	3.711
1/16/07	0:00	9.661	6.145	3.825	6.758	3.73
1/16/07	4:00	9.675	6.155	3.862	6.776	3.746
1/16/07	8:00	9.691	6.169	3.9	6.8	3.765
1/16/07	12:00	9.703	6.173	3.9	6.802	3.763
1/16/07	16:00	9.705	6.169	3.858	6.788	3.749
1/16/07	20:00	9.71	6.171	3.83	6.779	3.739
1/17/07	0:00	9.712	6.171	3.83	6.772	3.735
1/17/07	4:00	9.712	6.169	3.83	6.765	3.737
1/17/07	8:00	9.708	6.164	3.823	6.755	3.735
1/17/07	12:00	9.703	6.157	3.797	6.734	3.721
1/17/07	16:00	9.687	6.143	3.741	6.697	3.695
1/17/07	20:00	9.677	6.134	3.697	6.671	3.672
1/18/07	0:00	9.673	6.129	3.674	6.655	3.66
1/18/07	4:00	9.68	6.136	3.676	6.655	3.665
1/18/07	8:00	9.705	6.155	3.702	6.683	3.683
1/18/07	12:00	9.726	6.171	3.725	6.718	3.7
1/18/07	16:00	9.74	6.18	3.725	6.737	3.695
1/18/07	20:00	9.754	6.19	3.72	6.748	3.686
1/19/07	0:00	9.761	6.187	3.716	6.746	3.674
1/19/07	4:00	9.766	6.192	3.744	6.753	3.688
1/19/07	8:00	9.768	6.197	3.779	6.762	3.711
1/19/07	12:00	9.775	6.201	3.792	6.772	3.723
1/19/07	16:00	9.777	6.199	3.757	6.755	3.707
1/19/07	20:00	9.782	6.201	3.739	6.755	3.697
1/20/07	0:00	9.787	6.201	3.739	6.751	3.69
1/20/07	4:00	9.784	6.199	3.769	6.748	3.707
1/20/07	8:00	9.787	6.206	3.806	6.76	3.73
1/20/07	12:00	9.782	6.199	3.792	6.748	3.725
1/20/07	16:00	9.773	6.19	3.743	6.727	3.707
1/20/07	20:00	9.763	6.18	3.69	6.695	3.679
1/21/07	0:00	9.752	6.171	3.646	6.667	3.653

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/21/07	4:00	9.743	6.162	3.615	6.646	3.632
1/21/07	8:00	9.752	6.171	3.615	6.653	3.637
1/21/07	12:00	9.77	6.183	3.618	6.669	3.637
1/21/07	16:00	9.787	6.194	3.632	6.688	3.641
1/21/07	20:00	9.801	6.206	3.648	6.711	3.644
1/22/07	0:00	9.81	6.211	3.653	6.725	3.642
1/22/07	4:00	9.817	6.213	3.655	6.73	3.635
1/22/07	8:00	9.822	6.215	3.655	6.732	3.63
1/22/07	12:00	9.824	6.215	3.648	6.727	3.621
1/22/07	16:00	9.819	6.208	3.636	6.709	3.611
1/22/07	20:00	9.817	6.204	3.627	6.697	3.604
1/23/07	0:00	9.812	6.199	3.622	6.688	3.602
1/23/07	4:00	9.81	6.201	3.629	6.683	3.611
1/23/07	8:00	9.819	6.213	3.648	6.695	3.63
1/23/07	12:00	9.829	6.215	3.657	6.704	3.642
1/23/07	16:00	9.833	6.222	3.671	6.718	3.651
1/23/07	20:00	9.843	6.227	3.676	6.732	3.649
1/24/07	0:00	9.847	6.227	3.674	6.734	3.639
1/24/07	4:00	9.85	6.229	3.671	6.732	3.63
1/24/07	8:00	9.861	6.241	3.69	6.755	3.639
1/24/07	12:00	9.871	6.246	3.692	6.765	3.639
1/24/07	16:00	9.875	6.25	3.688	6.767	3.63
1/24/07	20:00	9.88	6.25	3.69	6.772	3.618
1/25/07	0:00	9.885	6.25	3.69	6.772	3.614
1/25/07	4:00	9.887	6.253	3.692	6.772	3.618
1/25/07	8:00	9.892	6.26	3.709	6.781	3.637
1/25/07	12:00	9.892	6.26	3.711	6.776	3.644
1/25/07	16:00	9.885	6.25	3.702	6.76	3.642
1/25/07	20:00	9.875	6.241	3.688	6.741	3.635
1/26/07	0:00	9.864	6.232	3.667	6.723	3.623
1/26/07	4:00	9.85	6.22	3.653	6.702	3.616
1/26/07	8:00	9.84	6.215	3.657	6.688	3.621
1/26/07	12:00	9.833	6.213	3.655	6.681	3.63
1/26/07	16:00	9.838	6.215	3.599	6.674	3.555
1/26/07	20:00	9.857	6.227	3.615	6.692	3.537
1/27/07	0:00	9.873	6.236	3.641	6.721	3.555
1/27/07	4:00	9.882	6.241	3.657	6.732	3.576
1/27/07	8:00	9.894	6.255	3.69	6.76	3.614
1/27/07	12:00	9.903	6.267	3.727	6.779	3.651
1/27/07	16:00	9.91	6.271	3.755	6.802	3.667
1/27/07	20:00	9.922	6.283	3.804	6.823	3.691
1/28/07	0:00	9.927	6.288	3.86	6.844	3.723
1/28/07	4:00	9.936	6.297	3.916	6.865	3.754
1/28/07	8:00	9.943	6.306	3.972	6.895	3.782
1/28/07	12:00	9.943	6.304	3.988	6.897	3.791
1/28/07	16:00	9.929	6.288	3.939	6.867	3.777
1/28/07	20:00	9.915	6.276	3.897	6.837	3.765
1/29/07	0:00	9.913	6.281	3.914	6.839	3.777
1/29/07	4:00	9.922	6.29	3.946	6.856	3.796
1/29/07	8:00	9.929	6.295	3.967	6.872	3.805
1/29/07	12:00	9.938	6.302	3.97	6.877	3.812
1/29/07	16:00	9.948	6.309	3.937	6.881	3.807
1/29/07	20:00	9.959	6.314	3.923	6.897	3.798
1/30/07	0:00	9.971	6.325	3.981	6.921	3.812
1/30/07	4:00	9.98	6.337	4.044	6.944	3.833
1/30/07	8:00	9.992	6.349	4.093	6.97	3.854
1/30/07	12:00	10.001	6.36	4.117	6.981	3.866
1/30/07	16:00	9.997	6.346	4.1	6.97	3.849
1/30/07	20:00	9.99	6.337	4.091	6.958	3.842
1/31/07	0:00	9.98	6.332	4.103	6.949	3.852
1/31/07	4:00	9.969	6.325	4.105	6.937	3.854

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
1/31/07	8:00	9.962	6.325	4.096	6.928	3.863
1/31/07	12:00	9.957	6.316	4.056	6.909	3.854
1/31/07	16:00	9.948	6.309	3.995	6.884	3.833
1/31/07	20:00	9.952	6.311	3.946	6.872	3.819
2/1/07	0:00	9.957	6.314	3.916	6.858	3.81
2/1/07	4:00	9.955	6.307	3.898	6.846	3.798
2/1/07	8:00	9.955	6.309	3.912	6.844	3.81
2/1/07	12:00	9.957	6.318	3.928	6.846	3.835
2/1/07	16:00	9.952	6.311	3.912	6.832	3.828
2/1/07	20:00	9.976	6.328	3.916	6.856	3.835
2/2/07	0:00	9.999	6.344	3.93	6.888	3.835
2/2/07	4:00	10.006	6.344	3.96	6.898	3.835
2/2/07	8:00	10.004	6.349	4.007	6.909	3.856
2/2/07	12:00	9.999	6.351	4.021	6.909	3.877
2/2/07	16:00	9.98	6.33	4	6.881	3.856
2/2/07	20:00	9.983	6.328	4	6.879	3.856
2/3/07	0:00	10.006	6.353	4.047	6.916	3.889
2/3/07	4:00	10.02	6.365	4.091	6.949	3.903
2/3/07	8:00	10.034	6.377	4.133	6.979	3.919
2/3/07	12:00	10.041	6.391	4.154	6.993	3.938
2/3/07	16:00	10.045	6.386	4.166	6.993	3.929
2/3/07	20:00	10.05	6.386	4.177	7	3.924
2/4/07	0:00	10.055	6.393	4.182	7.005	3.933
2/4/07	4:00	10.059	6.398	4.201	7.012	3.947
2/4/07	8:00	10.071	6.409	4.233	7.03	3.966
2/4/07	12:00	10.08	6.428	4.245	7.044	3.987
2/4/07	16:00	10.087	6.426	4.243	7.044	3.975
2/4/07	20:00	10.09	6.421	4.226	7.042	3.959
2/5/07	0:00	10.094	6.428	4.219	7.042	3.964
2/5/07	4:00	10.097	6.433	4.217	7.044	3.968
2/5/07	8:00	10.101	6.437	4.222	7.047	3.975
2/5/07	12:00	10.104	6.435	4.208	7.047	3.987
2/5/07	16:00	10.099	6.43	4.187	7.03	3.959
2/5/07	20:00	10.097	6.423	4.163	7.021	3.938
2/6/07	0:00	10.083	6.412	4.133	7.002	3.924
2/6/07	4:00	10.059	6.388	4.086	6.965	3.903
2/6/07	8:00	10.045	6.386	4.072	6.949	3.908
2/6/07	12:00	10.048	6.391	4.061	6.947	3.929
2/6/07	16:00	10.062	6.402	4.063	6.96	3.933
2/6/07	20:00	10.085	6.414	4.049	6.979	3.922
2/7/07	0:00	10.097	6.423	4.033	6.988	3.903
2/7/07	4:00	10.106	6.423	4.019	6.989	3.882
2/7/07	8:00	10.111	6.433	4.035	7.002	3.882
2/7/07	12:00	10.115	6.44	4.049	7.009	3.896
2/7/07	16:00	10.115	6.437	4.047	7.005	3.898
2/7/07	20:00	10.118	6.44	4.047	7.009	3.901
2/8/07	0:00	10.122	6.442	4.037	7.012	3.894
2/8/07	4:00	10.125	6.442	4.019	7.007	3.885
2/8/07	8:00	10.129	6.444	4.012	7.009	3.882
2/8/07	12:00	10.127	6.435	3.986	6.995	3.868
2/8/07	16:00	10.115	6.428	3.956	6.972	3.852
2/8/07	20:00	10.118	6.428	3.942	6.968	3.847
2/9/07	0:00	10.125	6.435	3.933	6.97	3.843
2/9/07	4:00	10.127	6.435	3.923	6.97	3.836
2/9/07	8:00	10.132	6.442	3.93	6.977	3.84
2/9/07	12:00	10.134	6.44	3.916	6.974	3.838
2/9/07	16:00	10.129	6.435	3.912	6.965	3.829
2/9/07	20:00	10.132	6.437	3.909	6.965	3.826
2/10/07	0:00	10.136	6.44	3.912	6.97	3.824
2/10/07	4:00	10.134	6.435	3.905	6.963	3.817
2/10/07	8:00	10.139	6.44	3.916	6.968	3.829

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
2/10/07	12:00	10.136	6.437	3.916	6.961	3.84
2/10/07	16:00	10.12	6.428	3.907	6.942	3.84
2/10/07	20:00	10.111	6.419	3.884	6.926	3.831
2/11/07	0:00	10.104	6.414	3.865	6.909	3.824
2/11/07	4:00	10.099	6.409	3.846	6.898	3.817
2/11/07	8:00	10.094	6.407	3.832	6.888	3.81
2/11/07	12:00	10.09	6.398	3.809	6.872	3.794
2/11/07	16:00	10.08	6.393	3.793	6.856	3.784
2/11/07	20:00	10.083	6.393	3.788	6.858	3.78
2/12/07	0:00	10.085	6.393	3.779	6.853	3.773
2/12/07	4:00	10.085	6.391	3.769	6.851	3.763
2/12/07	8:00	10.09	6.398	3.776	6.86	3.761
2/12/07	12:00	10.094	6.393	3.76	6.856	3.749
2/12/07	16:00	10.094	6.393	3.76	6.856	3.745
2/12/07	20:00	10.104	6.402	3.776	6.828	3.747
2/13/07	0:00	10.113	6.405	3.776	6.718	3.74
2/13/07	4:00	10.122	6.414	3.783	6.644	3.738
2/13/07	8:00	10.132	6.423	3.802	6.597	3.74
2/13/07	12:00	10.139	6.428	3.807	6.707	3.738
2/13/07	16:00	10.141	6.43	3.809	6.611	3.733
2/13/07	20:00	10.146	6.435	3.821	6.434	3.735
2/14/07	0:00	10.15	6.44	3.825	6.355	3.733
2/14/07	4:00	10.153	6.44	3.825	6.311	3.731
2/14/07	8:00	10.155	6.447	3.837	6.439	3.735
2/14/07	12:00	10.157	6.442	3.832	6.963	3.738
2/14/07	16:00	10.157	6.442	3.837	6.956	3.74
2/14/07	20:00	10.16	6.444	3.858	6.965	3.752
2/15/07	0:00	10.164	6.449	3.872	6.977	3.763
2/15/07	4:00	10.164	6.447	3.879	6.974	3.77
2/15/07	8:00	10.167	6.456	3.902	6.984	3.787
2/15/07	12:00	10.167	6.456	3.914	6.991	3.798
2/15/07	16:00	10.167	6.454	3.919	6.984	3.805
2/15/07	20:00	10.16	6.444	3.916	6.972	3.803
2/16/07	0:00	10.143	6.433	3.898	6.947	3.801
2/16/07	4:00	10.122	6.412	3.867	6.909	3.791
2/16/07	8:00	10.101	6.4	3.849	6.872	3.791
2/16/07	12:00	10.08	6.388	3.83	6.84	3.801
2/16/07	16:00	10.069	6.384	3.823	6.83	3.812
2/16/07	20:00	10.073	6.395	3.846	6.844	3.831
2/17/07	0:00	10.097	6.414	3.891	6.895	3.859
2/17/07	4:00	10.12	6.43	3.909	6.928	3.864
2/17/07	8:00	10.143	6.444	3.928	6.958	3.864
2/17/07	12:00	10.157	6.451	3.928	6.972	3.854
2/17/07	16:00	10.164	6.454	3.926	6.975	3.84
2/17/07	20:00	10.169	6.456	3.919	6.979	3.829
2/18/07	0:00	10.171	6.454	3.909	6.972	3.817
2/18/07	4:00	10.162	6.444	3.888	6.954	3.798
2/18/07	8:00	10.15	6.435	3.867	6.933	3.787
2/18/07	12:00	10.141	6.428	3.842	6.912	3.78
2/18/07	16:00	10.122	6.391	3.788	6.868	3.714
2/18/07	20:00	10.104	6.384	3.756	6.835	3.686
2/19/07	0:00	10.087	6.372	3.725	6.805	3.684
2/19/07	4:00	10.073	6.365	3.709	6.784	3.689
2/19/07	8:00	10.069	6.367	3.714	6.784	3.7
2/19/07	12:00	10.071	6.344	3.711	6.784	3.684
2/19/07	16:00	10.013	6.057	3.48	6.709	3.238
2/19/07	20:00	9.948	6.136	3.446	6.677	3.092
2/20/07	0:00	9.931	6.197	3.473	6.651	3.138
2/20/07	4:00	9.924	6.223	3.48	6.628	3.232
2/20/07	8:00	9.927	6.248	3.504	6.63	3.315
2/20/07	12:00	9.922	6.23	3.471	6.616	3.311

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
2/20/07	16:00	9.824	5.984	3.292	6.532	2.924
2/20/07	20:00	9.729	5.991	3.296	6.502	2.896
2/21/07	0:00	9.701	6.05	3.327	6.5	2.975
2/21/07	4:00	9.694	6.075	3.35	6.504	3.075
2/21/07	8:00	9.703	6.106	3.39	6.53	3.194
2/21/07	12:00	9.698	6.066	3.338	6.532	3.117
2/21/07	16:00	9.584	5.707	3.259	6.474	2.791
2/21/07	20:00	9.521	5.781	3.292	6.476	2.812
2/22/07	0:00	9.533	5.907	3.352	6.516	2.994
2/22/07	4:00	9.558	5.991	3.418	6.56	3.152
2/22/07	8:00	9.589	6.043	3.466	6.593	3.257
2/22/07	12:00	9.607	6.068	3.466	6.604	3.299
2/22/07	16:00	9.575	5.966	3.359	6.555	3.047
2/22/07	20:00	9.544	5.956	3.355	6.539	3.071
2/23/07	0:00	9.544	5.996	3.387	6.539	3.187
2/23/07	4:00	9.556	6.022	3.413	6.546	3.276
2/23/07	8:00	9.572	6.045	3.429	6.544	3.332
2/23/07	12:00	9.584	6.047	3.406	6.532	3.339
2/23/07	16:00	9.523	5.884	3.285	6.479	3.087
2/23/07	20:00	9.479	5.84	3.264	6.453	3.057
2/24/07	0:00	9.472	5.868	3.259	6.444	3.099
2/24/07	4:00	9.456	5.844	3.236	6.425	3.064
2/24/07	8:00	9.423	5.711	3.177	6.388	2.905
2/24/07	12:00	9.367	5.669	3.156	6.348	2.83
2/24/07	16:00	9.325	5.597	3.103	6.318	2.779
2/24/07	20:00	9.262	5.539	3.096	6.274	2.746
2/25/07	0:00	9.241	5.585	3.126	6.288	2.823
2/25/07	4:00	9.251	5.655	3.17	6.316	2.917
2/25/07	8:00	9.281	5.714	3.208	6.353	3.003
2/25/07	12:00	9.311	5.765	3.236	6.39	3.071
2/25/07	16:00	9.337	5.807	3.261	6.407	3.124
2/25/07	20:00	9.372	5.847	3.289	6.434	3.178
2/26/07	0:00	9.395	5.872	3.308	6.448	3.22
2/26/07	4:00	9.419	5.903	3.336	6.467	3.26
2/26/07	8:00	9.449	5.935	3.369	6.497	3.304
2/26/07	12:00	9.472	5.959	3.383	6.511	3.337
2/26/07	16:00	9.493	5.982	3.39	6.523	3.353
2/26/07	20:00	9.521	6.003	3.404	6.539	3.365
2/27/07	0:00	9.542	6.019	3.422	6.556	3.383
2/27/07	4:00	9.563	6.04	3.448	6.572	3.407
2/27/07	8:00	9.586	6.059	3.481	6.593	3.437
2/27/07	12:00	9.603	6.071	3.488	6.6	3.456
2/27/07	16:00	9.607	6.066	3.448	6.565	3.43
2/27/07	20:00	9.619	6.078	3.446	6.57	3.411
2/28/07	0:00	9.621	6.066	3.427	6.546	3.407
2/28/07	4:00	9.617	6.061	3.418	6.523	3.414
2/28/07	8:00	9.621	6.066	3.415	6.518	3.43
2/28/07	12:00	9.619	6.061	3.369	6.493	3.421
2/28/07	16:00	9.596	5.938	3.147	6.39	3.12
2/28/07	20:00	9.514	5.795	3.129	6.344	2.896
3/1/07	0:00	9.451	5.76	3.149	6.332	2.891
3/1/07	4:00	9.393	5.735	3.154	6.302	2.928
3/1/07	8:00	9.367	5.746	3.175	6.306	2.996
3/1/07	12:00	9.358	5.767	3.203	6.323	3.064
3/1/07	16:00	9.367	5.807	3.24	6.353	3.136
3/1/07	20:00	9.377	5.83	3.259	6.372	3.185
3/2/07	0:00	9.379	5.844	3.273	6.376	3.222
3/2/07	4:00	9.386	5.863	3.294	6.393	3.257
3/2/07	8:00	9.395	5.882	3.313	6.411	3.29
3/2/07	12:00	9.409	5.903	3.331	6.43	3.32
3/2/07	16:00	9.426	5.919	3.355	6.451	3.346

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
3/2/07	20:00	9.444	5.94	3.366	6.469	3.365
3/3/07	0:00	9.468	5.961	3.39	6.495	3.388
3/3/07	4:00	9.496	5.989	3.42	6.528	3.411
3/3/07	8:00	9.526	6.019	3.453	6.57	3.435
3/3/07	12:00	9.554	6.038	3.471	6.597	3.449
3/3/07	16:00	9.568	6.05	3.488	6.611	3.458
3/3/07	20:00	9.584	6.064	3.499	6.63	3.467
3/4/07	0:00	9.603	6.075	3.516	6.642	3.474
3/4/07	4:00	9.61	6.078	3.516	6.64	3.474
3/4/07	8:00	9.614	6.085	3.52	6.639	3.481
3/4/07	12:00	9.631	6.099	3.541	6.66	3.495
3/4/07	16:00	9.64	6.089	3.439	6.632	3.402
3/4/07	20:00	9.64	6.061	3.397	6.604	3.285
3/5/07	0:00	9.635	6.059	3.422	6.593	3.295
3/5/07	4:00	9.638	6.064	3.446	6.597	3.327
3/5/07	8:00	9.652	6.085	3.481	6.623	3.369
3/5/07	12:00	9.668	6.099	3.49	6.644	3.397
3/5/07	16:00	9.652	5.963	3.233	6.511	3.11
3/5/07	20:00	9.584	5.861	3.189	6.432	2.984
3/6/07	0:00	9.542	5.861	3.243	6.418	3.031
3/6/07	4:00	9.516	5.879	3.271	6.409	3.096
3/6/07	8:00	9.505	5.905	3.299	6.407	3.166
3/6/07	12:00	9.498	5.919	3.301	6.388	3.22
3/6/07	16:00	9.493	5.926	3.264	6.348	3.197
3/6/07	20:00	9.489	5.926	3.231	6.323	3.169
3/7/07	0:00	9.486	5.926	3.243	6.32	3.211
3/7/07	4:00	9.491	5.945	3.266	6.335	3.26
3/7/07	8:00	9.509	5.966	3.299	6.367	3.306
3/7/07	12:00	9.519	5.977	3.313	6.381	3.341
3/7/07	16:00	9.519	5.977	3.31	6.372	3.355
3/7/07	20:00	9.523	5.987	3.32	6.381	3.376
3/8/07	0:00	9.526	5.994	3.324	6.386	3.39
3/8/07	4:00	9.523	5.991	3.324	6.379	3.397
3/8/07	8:00	9.526	5.996	3.331	6.386	3.411
3/8/07	12:00	9.521	5.989	3.303	6.367	3.386
3/8/07	16:00	9.4	5.298	2.968	6.125	2.607
3/8/07	20:00	8.983	4.974	2.912	5.913	2.418
3/9/07	0:00	8.647	4.962	2.886	5.792	2.455
3/9/07	4:00	8.414	4.843	2.849	5.697	2.432
3/9/07	8:00	8.176	4.582	2.835	5.615	2.347
3/9/07	12:00	7.801	4.059	2.767	5.506	2.24
3/9/07	16:00	7.167	3.637	2.79	5.475	2.221
3/9/07	20:00	7.237	3.805	2.835	5.487	2.287
3/10/07	0:00	7.344	4.034	2.872	5.55	2.366
3/10/07	4:00	7.435	4.209	2.909	5.636	2.452
3/10/07	8:00	7.519	4.353	2.935	5.713	2.536
3/10/07	12:00	7.578	4.232	2.863	5.71	2.373
3/10/07	16:00	7.484	3.66	2.863	5.704	2.275
3/10/07	20:00	7.447	3.84	2.898	5.734	2.326
3/11/07	0:00	7.466	4.057	2.935	5.776	2.408
3/11/07	4:00	7.503	4.211	2.97	5.811	2.481
3/11/07	8:00	7.557	4.344	2.998	5.852	2.555
3/11/07	12:00	7.566	4.076	2.979	5.88	2.544
3/11/07	16:00	7.44	3.725	2.975	5.885	2.49
3/11/07	20:00	7.41	3.943	3.021	5.92	2.534
3/12/07	0:00	7.421	4.097	3.054	5.941	2.614
3/12/07	4:00	7.461	4.218	3.075	5.969	2.676
3/12/07	8:00	7.496	4.281	3.075	5.988	2.716
3/12/07	12:00	7.491	4.274	3.056	5.99	2.737
3/12/07	16:00	7.484	4.3	3.066	5.995	2.77
3/12/07	20:00	7.512	4.356	3.098	6.013	2.817

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
3/13/07	0:00	7.543	4.391	3.117	6.025	2.856
3/13/07	4:00	7.578	4.433	3.126	6.034	2.889
3/13/07	8:00	7.615	4.482	3.136	6.043	2.919
3/13/07	12:00	7.65	4.524	3.138	6.043	2.935
3/13/07	16:00	7.685	4.589	3.161	6.06	2.97
3/13/07	20:00	7.731	4.652	3.177	6.074	3.005
3/14/07	0:00	7.78	4.706	3.189	6.085	3.038
3/14/07	4:00	7.827	4.764	3.203	6.099	3.066
3/14/07	8:00	7.885	4.834	3.222	6.132	3.103
3/14/07	12:00	7.939	4.89	3.254	6.155	3.131
3/14/07	16:00	7.985	4.941	3.292	6.183	3.164
3/14/07	20:00	8.048	5.007	3.317	6.213	3.201
3/15/07	0:00	8.095	5.056	3.324	6.223	3.225
3/15/07	4:00	8.141	5.105	3.327	6.234	3.248
3/15/07	8:00	8.2	5.165	3.338	6.26	3.274
3/15/07	12:00	8.246	5.203	3.338	6.267	3.278
3/15/07	16:00	8.288	5.247	3.362	6.283	3.295
3/15/07	20:00	8.342	5.294	3.376	6.307	3.32
3/16/07	0:00	8.389	5.333	3.387	6.32	3.344
3/16/07	4:00	8.43	5.373	3.404	6.339	3.365
3/16/07	8:00	8.477	5.413	3.404	6.358	3.381
3/16/07	12:00	8.51	5.427	3.364	6.32	3.365
3/16/07	16:00	8.528	5.441	3.364	6.297	3.367
3/16/07	20:00	8.556	5.462	3.362	6.292	3.381
3/17/07	0:00	8.584	5.483	3.359	6.285	3.393
3/17/07	4:00	8.61	5.504	3.357	6.283	3.404
3/17/07	8:00	8.647	5.539	3.371	6.304	3.423
3/17/07	12:00	8.682	5.557	3.383	6.316	3.428
3/17/07	16:00	8.708	5.581	3.401	6.327	3.437
3/17/07	20:00	8.74	5.604	3.408	6.341	3.453
3/18/07	0:00	8.766	5.62	3.401	6.341	3.463
3/18/07	4:00	8.787	5.634	3.392	6.337	3.472
3/18/07	8:00	8.81	5.646	3.371	6.323	3.474
3/18/07	12:00	8.82	5.653	3.359	6.297	3.46
3/18/07	16:00	8.829	5.665	3.378	6.293	3.47
3/18/07	20:00	8.848	5.672	3.362	6.286	3.474
3/19/07	0:00	8.876	5.695	3.366	6.3	3.488
3/19/07	4:00	8.911	5.721	3.38	6.325	3.507
3/19/07	8:00	8.95	5.749	3.406	6.369	3.528
3/19/07	12:00	8.985	5.765	3.429	6.397	3.537
3/19/07	16:00	9.008	5.774	3.45	6.414	3.547
3/19/07	20:00	9.034	5.793	3.464	6.428	3.563
3/20/07	0:00	9.053	5.8	3.457	6.428	3.57
3/20/07	4:00	9.069	5.807	3.448	6.418	3.575
3/20/07	8:00	9.085	5.816	3.441	6.414	3.577
3/20/07	12:00	9.09	5.812	3.383	6.381	3.54
3/20/07	16:00	9.09	5.809	3.38	6.365	3.53
3/20/07	20:00	9.099	5.819	3.387	6.362	3.544
3/21/07	0:00	9.102	5.819	3.364	6.339	3.54
3/21/07	4:00	9.106	5.816	3.341	6.323	3.535
3/21/07	8:00	9.113	5.823	3.324	6.316	3.533
3/21/07	12:00	9.12	5.823	3.306	6.3	3.516
3/21/07	16:00	9.127	5.828	3.334	6.316	3.54
3/21/07	20:00	9.148	5.819	3.112	6.276	3.248
3/22/07	0:00	9.167	5.821	3.226	6.32	3.332
3/22/07	4:00	9.181	5.835	3.294	6.353	3.4
3/22/07	8:00	9.195	5.844	3.329	6.369	3.444
3/22/07	12:00	9.202	5.849	3.341	6.369	3.458
3/22/07	16:00	9.202	5.849	3.362	6.365	3.481
3/22/07	20:00	9.209	5.861	3.373	6.369	3.507
3/23/07	0:00	9.218	5.872	3.376	6.369	3.528

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
3/23/07	4:00	9.225	5.879	3.376	6.372	3.542
3/23/07	8:00	9.239	5.891	3.378	6.383	3.558
3/23/07	12:00	9.251	5.896	3.371	6.383	3.558
3/23/07	16:00	9.253	5.9	3.385	6.385	3.568
3/23/07	20:00	9.262	5.91	3.394	6.395	3.584
3/24/07	0:00	9.274	5.914	3.385	6.39	3.586
3/24/07	4:00	9.286	5.921	3.39	6.4	3.596
3/24/07	8:00	9.251	5.548	2.86	6.132	2.548
3/24/07	12:00	9.139	5.45	2.97	6.085	2.623
3/24/07	16:00	9.097	5.511	3.061	6.132	2.795
3/24/07	20:00	9.083	5.571	3.108	6.174	2.919
3/25/07	0:00	9.081	5.602	3.14	6.192	3.022
3/25/07	4:00	9.085	5.632	3.166	6.204	3.103
3/25/07	8:00	9.099	5.66	3.187	6.218	3.169
3/25/07	12:00	9.109	5.686	3.208	6.234	3.232
3/25/07	16:00	9.116	5.709	3.259	6.265	3.316
3/25/07	20:00	9.139	5.742	3.292	6.288	3.374
3/26/07	0:00	9.16	5.763	3.301	6.299	3.409
3/26/07	4:00	9.172	5.779	3.299	6.3	3.432
3/26/07	8:00	9.19	5.795	3.299	6.316	3.456
3/26/07	12:00	9.204	5.809	3.303	6.32	3.481
3/26/07	16:00	9.214	5.828	3.343	6.344	3.535
3/26/07	20:00	9.234	5.849	3.364	6.367	3.558
3/27/07	0:00	9.246	5.861	3.366	6.372	3.568
3/27/07	4:00	9.253	5.865	3.364	6.369	3.577
3/27/07	8:00	9.262	5.872	3.359	6.372	3.582
3/27/07	12:00	9.262	5.865	3.303	6.344	3.54
3/27/07	16:00	9.255	5.865	3.306	6.332	3.549
3/27/07	20:00	9.176	5.429	2.893	6.036	2.541
3/28/07	0:00	9.081	5.392	2.956	6.025	2.644
3/28/07	4:00	9.039	5.438	3.019	6.062	2.798
3/28/07	8:00	9.029	5.492	3.066	6.102	2.921
3/28/07	12:00	9.027	5.534	3.098	6.127	3.01
3/28/07	16:00	9.025	5.567	3.152	6.164	3.134
3/28/07	20:00	9.036	5.599	3.182	6.195	3.211
3/29/07	0:00	9.05	5.634	3.203	6.22	3.264
3/29/07	4:00	9.062	5.658	3.215	6.237	3.309
3/29/07	8:00	9.074	5.681	3.208	6.246	3.327
3/29/07	12:00	9.085	5.69	3.138	6.241	3.283
3/29/07	16:00	9.05	5.562	2.989	6.113	2.856
3/29/07	20:00	9.036	5.567	3.068	6.144	3.015
3/30/07	0:00	9.025	5.571	3.105	6.162	3.106
3/30/07	4:00	9.015	5.574	3.017	6.169	3.036
3/30/07	8:00	9.006	5.555	3.042	6.12	3.047
3/30/07	12:00	8.994	5.562	3.091	6.134	3.162
3/30/07	16:00	8.985	5.576	3.147	6.158	3.274
3/30/07	20:00	8.976	5.592	3.168	6.169	3.311
3/31/07	0:00	8.729	3.375	2.613	5.31	2.198
3/31/07	4:00	7.894	3.233	2.595	4.761	2.212
3/31/07	8:00	6.965	3.196	2.602	4.432	2.242
3/31/07	12:00	6.471	3.235	2.56	4.351	2.226
3/31/07	16:00	5.329	2.664	2.494	3.636	2.193
3/31/07	20:00	5.047	2.927	2.539	3.806	2.266
4/1/07	0:00	5.077	3.039	2.555	3.971	2.287
4/1/07	4:00	5.189	3.158	2.578	4.134	2.312
4/1/07	8:00	5.319	3.275	2.604	4.293	2.352
4/1/07	12:00	5.44	3.371	2.625	4.425	2.427
4/1/07	16:00	5.545	3.462	2.646	4.544	2.557
4/1/07	20:00	5.655	3.536	2.655	4.646	2.627
4/2/07	0:00	5.757	3.592	2.667	4.735	2.681
4/2/07	4:00	5.851	3.641	2.678	4.812	2.718

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/2/07	8:00	5.944	3.69	2.69	4.879	2.756
4/2/07	12:00	6.014	3.73	2.704	4.933	2.816
4/2/07	16:00	6.081	3.779	2.72	4.982	2.903
4/2/07	20:00	6.163	3.835	2.725	5.035	2.921
4/3/07	0:00	6.24	3.877	2.723	5.079	2.912
4/3/07	4:00	6.342	3.943	2.746	5.152	2.949
4/3/07	8:00	6.452	4.034	2.776	5.24	2.989
4/3/07	12:00	6.536	4.094	2.8	5.315	3.029
4/3/07	16:00	6.617	4.162	2.83	5.385	3.087
4/3/07	20:00	6.704	4.237	2.849	5.445	3.12
4/4/07	0:00	6.778	4.29	2.86	5.494	3.131
4/4/07	4:00	6.848	4.351	2.881	5.538	3.15
4/4/07	8:00	6.92	4.409	2.895	5.582	3.164
4/4/07	12:00	6.981	4.43	2.902	5.582	3.171
4/4/07	16:00	7.032	4.468	2.926	5.594	3.192
4/4/07	20:00	7.1	4.519	2.935	5.622	3.211
4/5/07	0:00	7.163	4.563	2.94	5.648	3.22
4/5/07	4:00	7.219	4.605	2.947	5.668	3.227
4/5/07	8:00	7.282	4.68	2.951	5.694	3.236
4/5/07	12:00	7.33	4.713	2.951	5.675	3.236
4/5/07	16:00	7.377	4.757	2.961	5.68	3.257
4/5/07	20:00	7.435	4.804	2.968	5.701	3.271
4/6/07	0:00	7.489	4.843	2.975	5.72	3.283
4/6/07	4:00	7.543	4.885	2.991	5.745	3.295
4/6/07	8:00	7.598	4.932	3.014	5.782	3.311
4/6/07	12:00	7.633	4.941	2.989	5.759	3.32
4/6/07	16:00	7.673	4.979	3.012	5.764	3.337
4/6/07	20:00	7.729	5.014	3.028	5.79	3.355
4/7/07	0:00	7.766	5.049	3.068	5.817	3.372
4/7/07	4:00	7.806	5.081	3.096	5.841	3.39
4/7/07	8:00	7.846	5.121	3.075	5.85	3.388
4/7/07	12:00	7.876	5.116	2.942	5.794	3.332
4/7/07	16:00	7.906	5.116	2.963	5.771	3.355
4/7/07	20:00	7.943	5.147	3.005	5.794	3.381
4/8/07	0:00	7.978	5.175	3.033	5.82	3.404
4/8/07	4:00	8.011	5.207	3.075	5.843	3.437
4/8/07	8:00	8.046	5.24	3.052	5.857	3.428
4/8/07	12:00	8.069	5.221	2.954	5.806	3.362
4/8/07	16:00	8.088	5.231	2.993	5.796	3.381
4/8/07	20:00	8.118	5.247	3.017	5.808	3.404
4/9/07	0:00	8.141	5.266	3.031	5.824	3.43
4/9/07	4:00	8.162	5.284	3.019	5.827	3.435
4/9/07	8:00	8.193	5.301	3	5.829	3.428
4/9/07	12:00		5.301	3.003	5.803	3.416
4/9/07	16:00	8.216	5.31	3.01	5.801	3.421
4/9/07	20:00	8.225	5.324	3.012	5.808	3.407
4/10/07	0:00	8.239	5.329	3.005	5.801	3.414
4/10/07	4:00	8.246	5.331	2.996	5.787	3.416
4/10/07	8:00	8.258	5.338	2.975		3.423
4/10/07	12:00	8.263	5.294	2.802	5.743	3.043
4/10/07	16:00	8.239	5.06	2.678	5.664	2.49
4/10/07	20:00	8.188	4.916	2.725	5.615	2.462
4/11/07	0:00	8.134	4.759	2.702	5.55	2.408
4/11/07	4:00	8.093	4.715	2.732	5.487	2.438
4/11/07	8:00	8.076	4.771	2.774	5.461	2.511
4/11/07	12:00	8.083	4.841	2.811	5.522	2.611
4/11/07	16:00	8.111	4.92	2.844	5.562	2.73
4/11/07	20:00	8.151	4.995	2.877	5.622	2.849
4/12/07	0:00	8.179	5.049	2.898	5.659	2.94
4/12/07	4:00	8.204	5.095	2.914	5.689	3.015
4/12/07	8:00	8.237	5.149	2.935	5.724	3.078

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/12/07	12:00	8.258	5.182	2.947	5.748	3.122
4/12/07	16:00	8.272	5.207	2.954	5.755	3.159
4/12/07	20:00	8.298	5.24	2.97	5.783	3.204
4/13/07	0:00	8.319	5.261	2.972	5.79	3.234
4/13/07	4:00	8.335	5.282	2.977	5.801	3.26
4/13/07	8:00	8.356	5.305	2.982	5.813	3.283
4/13/07	12:00	8.365	5.317	2.982	5.806	3.297
4/13/07	16:00	8.377	5.326	2.984	5.804	3.32
4/13/07	20:00	8.391	5.347	2.986	5.806	3.339
4/14/07	0:00	8.395	5.352	2.977	5.792	3.348
4/14/07	4:00	8.407	5.364	2.972	5.782	3.358
4/14/07	8:00	8.421	5.378	2.977	5.79	3.369
4/14/07	12:00	8.426	5.389	2.986	5.79	3.39
4/14/07	16:00	8.44	5.403	2.998	5.799	3.418
4/14/07	20:00	8.456	5.422	3.003	5.811	3.435
4/15/07	0:00	8.47	5.429	2.998	5.81	3.444
4/15/07	4:00	8.482	5.441	2.998	5.813	3.451
4/15/07	8:00	8.5	5.457	2.998	5.825	3.458
4/15/07	12:00	8.512	5.469	3.005	5.827	3.474
4/15/07	16:00	8.519	5.476	3.012	5.827	3.505
4/15/07	20:00	8.528	5.487	3.009	5.829	3.512
4/16/07	0:00	8.54	5.494	3.007	5.829	3.512
4/16/07	4:00	8.552	5.504	3.003	5.829	3.512
4/16/07	8:00	8.563	5.511	2.993	5.827	3.509
4/16/07	12:00	8.566	5.518	3.002	5.822	3.542
4/16/07	16:00	8.57	5.529	3.019	5.824	3.575
4/16/07	20:00	8.58	5.536	3.012	5.827	3.575
4/17/07	0:00	8.589	5.541	3.002	5.827	3.561
4/17/07	4:00	8.596	5.543	2.993	5.813	3.547
4/17/07	8:00	8.608	5.55	2.986	5.817	3.542
4/17/07	12:00	8.61	5.555	2.998	5.813	3.582
4/17/07	16:00	8.61	5.56	3.012	5.813	3.607
4/17/07	20:00	8.624	5.567	3.007	5.824	3.603
4/18/07	0:00	8.638	5.574	3.005	5.827	3.589
4/18/07	4:00	8.643	5.574	2.998	5.824	3.584
4/18/07	8:00	8.654	5.585	2.998	5.829	3.582
4/18/07	12:00	8.661	5.588	3.012	5.834	3.619
4/18/07	16:00	8.666	5.59	3.03	5.836	3.647
4/18/07	20:00	8.673	5.599	3.021	5.838	3.642
4/19/07	0:00	8.682	5.602	3.012	5.836	3.624
4/19/07	4:00	8.689	5.604	3.005	5.834	3.614
4/19/07	8:00	8.701	5.611	3.002	5.836	3.607
4/19/07	12:00	8.703	5.613	3.019	5.838	3.649
4/19/07	16:00	8.708	5.625	3.044	5.855	3.677
4/19/07	20:00	8.722	5.632	3.037	5.862	3.673
4/20/07	0:00	8.731	5.639	3.026	5.866	3.656
4/20/07	4:00	8.74	5.639	3.016	5.864	3.64
4/20/07	8:00	8.75	5.644	3.014	5.864	3.635
4/20/07	12:00	8.75	5.646	3.026	5.857	3.684
4/20/07	16:00	8.747	5.653	3.047	5.857	3.71
4/20/07	20:00	8.759	5.66	3.03	5.862	3.701
4/21/07	0:00	8.766	5.658	3.012	5.852	3.673
4/21/07	4:00	8.768	5.658	2.998	5.841	3.649
4/21/07	8:00	8.775	5.66	2.993	5.838	3.642
4/21/07	12:00	8.775	5.667	3.014	5.841	3.712
4/21/07	16:00	8.773	5.674	3.042	5.845	3.743
4/21/07	20:00	8.78	5.672	3.028	5.841	3.731
4/22/07	0:00	8.789	5.674	3.014	5.846	3.708
4/22/07	4:00	8.785	5.667	2.988	5.82	3.668
4/22/07	8:00	8.775	5.618	2.779	5.713	3.166
4/22/07	12:00	8.747	5.574	2.839	5.692	3.159

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
4/22/07	16:00	8.74	5.581	2.879	5.713	3.274
4/22/07	20:00	8.759	5.606	2.918	5.75	3.362
4/23/07	0:00	8.787	5.627	2.942	5.79	3.421
4/23/07	4:00	8.803	5.646	2.965	5.822	3.465
4/23/07	8:00	8.822	5.662	2.974	5.843	3.5
4/23/07	12:00	8.831	5.672	2.988	5.857	3.547
4/23/07	16:00	8.836	5.679	3.009	5.862	3.607
4/23/07	20:00	8.843	5.69	3.014	5.866	3.631
4/24/07	0:00	8.838	5.683	2.981	5.834	3.596
4/24/07	4:00	8.829	5.646	2.804	5.799	3.318
4/24/07	8:00	8.775	5.38	2.706	5.557	2.557
4/24/07	12:00	8.053	3.835	2.548	4.763	2.261
4/24/07	16:00	7.424	2.932	2.422	4.32	2.149
4/24/07	20:00	6.072	3.065	2.452	3.843	2.238
4/25/07	0:00	5.874	2.834	2.378	3.948	2.161
4/25/07	4:00	5.494	2.995	2.459	3.876	2.249
4/25/07	8:00	5.478	3.196	2.487	4.008	2.294
4/25/07	12:00	5.552	3.317	2.503	4.106	2.322
4/25/07	16:00	5.639	3.408	2.52	4.23	2.359
4/25/07	20:00	5.75	3.508	2.541	4.351	2.408
4/26/07	0:00	5.83	3.569	2.552	4.418	2.462
4/26/07	4:00	5.918	3.634	2.569	4.49	2.525
4/26/07	8:00	6.018	3.709	2.585	4.563	2.592
4/26/07	12:00	6.1	3.77	2.597	4.618	2.662
4/26/07	16:00	6.182	3.835	2.613	4.674	2.749
4/26/07	20:00	6.272	3.908	2.622	4.728	2.809
4/27/07	0:00	6.349	3.964	2.627	4.763	2.854
4/27/07	4:00	6.424	4.02	2.632	4.798	2.886
4/27/07	8:00	6.505	4.083	2.646	4.844	2.919
4/27/07	12:00	6.573	4.115	2.641	4.868	2.898
4/27/07	16:00	6.641	4.169	2.662	4.907	2.956
4/27/07	20:00	6.715	4.225	2.674	4.951	2.998
4/28/07	0:00	6.778	4.267	2.681	4.989	3.026
4/28/07	4:00	6.834	4.307	2.688	5.021	3.05
4/28/07	8:00	6.897	4.353	2.702	5.059	3.071
4/28/07	12:00	6.951	4.412	2.723	5.089	3.134
4/28/07	16:00	7	4.482	2.744	5.119	3.213
4/28/07	20:00	7.048	4.521	2.73	5.124	3.215
4/29/07	0:00	7.095	4.545	2.72	5.131	3.211
4/29/07	4:00	7.139	4.57	2.72	5.138	3.211
4/29/07	8:00	7.181	4.605	2.737	5.152	3.232
4/29/07	12:00	7.233	4.673	2.776	5.18	3.32
4/29/07	16:00	7.272	4.743	2.809	5.201	3.411
4/29/07	20:00	7.319	4.773	2.776	5.201	3.409
4/30/07	0:00	7.354	4.783	2.753	5.191	3.372
4/30/07	4:00	7.386	4.79	2.736	5.184	3.346
4/30/07	8:00	7.424	4.825	2.762	5.196	3.358
4/30/07	12:00	7.463	4.881	2.825	5.233	3.481
4/30/07	16:00	7.498	4.939	2.858	5.249	3.561
4/30/07	20:00	7.543	4.951	2.792	5.245	3.528
5/1/07	0:00	7.575	4.946	2.764	5.238	3.474
5/1/07	4:00	7.601	4.951	2.748	5.231	3.437
5/1/07	8:00	7.638	4.979	2.781	5.261	3.435
5/1/07	12:00	7.68	5.039	2.858	5.308	3.565
5/1/07	16:00	7.713	5.084	2.9	5.333	3.635
5/1/07	20:00	7.748	5.093	2.841	5.331	3.616
5/2/07	0:00	7.771	5.084	2.802	5.317	3.563
5/2/07	4:00	7.792	5.081	2.783	5.308	3.528
5/2/07	8:00	7.815	5.093	2.802	5.315	3.509
5/2/07	12:00	7.839	5.14	2.86	5.336	3.607
5/2/07	16:00	7.859	5.175	2.895	5.354	3.682

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/2/07	20:00	7.887	5.182	2.839	5.345	3.656
5/3/07	0:00	7.899	5.158	2.79	5.315	3.588
5/3/07	4:00	7.911	5.154	2.769	5.298	3.546
5/3/07	8:00	7.927	5.156	2.767	5.296	3.521
5/3/07	12:00	7.939	5.168	2.769	5.289	3.518
5/3/07	16:00	7.946	5.154	2.732	5.277	3.481
5/3/07	20:00	7.953	5.133	2.704	5.245	3.371
5/4/07	0:00	7.962	5.123	2.692	5.284	3.346
5/4/07	4:00	7.908	4.771	2.55	5.019	2.443
5/4/07	8:00	7.862	4.766	2.613	5.014	2.564
5/4/07	12:00	7.839	4.827	2.652	5.045	2.725
5/4/07	16:00	7.843	4.923	2.711	5.096	2.935
5/4/07	20:00	7.862	4.969	2.697	5.126	3.042
5/5/07	0:00	7.873	4.993	2.685	5.133	3.096
5/5/07	4:00	7.89	5.009	2.678	5.124	3.059
5/5/07	8:00	7.808	4.538	2.52	4.898	2.347
5/5/07	12:00	7.741	4.54	2.62	4.896	2.48
5/5/07	16:00	7.72	4.699	2.676	4.961	2.732
5/5/07	20:00	7.722	4.78	2.662	4.998	2.865
5/6/07	0:00	7.645	4.248	2.51	4.854	2.331
5/6/07	4:00	5.753	2.57	2.293	3.505	2.144
5/6/07	8:00	5.049	2.71	2.338	3.375	2.205
5/6/07	12:00	5.035	2.958	2.391	3.582	2.27
5/6/07	16:00	5.044	2.979	2.391	3.68	2.27
5/6/07	20:00	5.179	3.135	2.405	3.822	2.296
5/7/07	0:00	4.303	2.554	2.317	3.238	2.196
5/7/07	4:00	4.331	2.538	2.303	3.34	2.186
5/7/07	8:00	4.462	2.72	2.354	3.468	2.242
5/7/07	12:00	4.592	2.853	2.38	3.587	2.282
5/7/07	16:00	4.737	2.995	2.408	3.689	2.326
5/7/07	20:00	4.86	3.086	2.403	3.769	2.356
5/8/07	0:00	4.974	3.158	2.408	3.834	2.384
5/8/07	4:00	5.084	3.228	2.417	3.892	2.429
5/8/07	8:00	5.196	3.303	2.447	3.955	2.489
5/8/07	12:00	5.301	3.441	2.499	4.011	2.676
5/8/07	16:00	5.405	3.548	2.517	4.06	2.886
5/8/07	20:00	5.501	3.564	2.459	4.074	2.907
5/9/07	0:00	5.59	3.59	2.452	4.102	2.914
5/9/07	4:00	5.673	3.623	2.45	4.127	2.928
5/9/07	8:00	5.76	3.674	2.482	4.162	2.958
5/9/07	12:00	5.844	3.784	2.545	4.202	3.098
5/9/07	16:00	5.93	3.87	2.55	4.225	3.22
5/9/07	20:00	6.004	3.88	2.489	4.227	3.161
5/10/07	0:00	6.07	3.889	2.473	4.237	3.126
5/10/07	4:00	6.133	3.912	2.473	4.255	3.112
5/10/07	8:00	6.205	3.961	2.517	4.29	3.136
5/10/07	12:00	6.275	4.062	2.585	4.332	3.327
5/10/07	16:00	6.342	4.141	2.61	4.36	3.453
5/10/07	20:00	6.41	4.148	2.541	4.36	3.392
5/11/07	0:00	6.454	4.139	2.506	4.358	3.313
5/11/07	4:00	6.508	4.15	2.499	4.372	3.276
5/11/07	8:00	6.561	4.192	2.552	4.406	3.297
5/11/07	12:00	6.617	4.297	2.627	4.446	3.521
5/11/07	16:00	6.676	4.377	2.669	4.481	3.651
5/11/07	20:00	6.722	4.365	2.575	4.462	3.556
5/12/07	0:00	6.757	4.342	2.536	4.451	3.458
5/12/07	4:00	6.79	4.339	2.522	4.451	3.404
5/12/07	8:00	6.839	4.384	2.58	4.49	3.427
5/12/07	12:00	6.885	4.5	2.673	4.525	3.698
5/12/07	16:00	6.934	4.598	2.715	4.553	3.812
5/12/07	20:00	6.972	4.584	2.601	4.523	3.712

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/13/07	0:00	7.002	4.54	2.552	4.507	3.591
5/13/07	4:00	7.025	4.519	2.533	4.502	3.521
5/13/07	8:00	7.055	4.554	2.594	4.523	3.549
5/13/07	12:00	7.095	4.678	2.701	4.565	3.819
5/13/07	16:00	7.135	4.776	2.753	4.586	3.929
5/13/07	20:00	7.17	4.766	2.629	4.558	3.819
5/14/07	0:00	7.186	4.699	2.559	4.518	3.689
5/14/07	4:00	7.198	4.659	2.536	4.502	3.612
5/14/07	8:00	7.223	4.694	2.601	4.523	3.649
5/14/07	12:00	7.265	4.827	2.722	4.579	3.915
5/14/07	16:00	7.309	4.927	2.774	4.604	4.034
5/14/07	20:00	7.342	4.829	2.531	4.481	3.805
5/15/07	0:00	7.314	4.486	2.384	4.33	2.769
5/15/07	4:00	7.228	4.16	2.394	4.139	2.38
5/15/07	8:00	7.184	4.255	2.44	4.211	2.501
5/15/07	12:00	7.179	4.37	2.487	4.274	2.69
5/15/07	16:00	7.181	4.475	2.526	4.316	2.926
5/15/07	20:00	7.188	4.512	2.494	4.325	3.024
5/16/07	0:00	7.191	4.524	2.48	4.337	3.07
5/16/07	4:00	7.186	4.526	2.475	4.339	3.103
5/16/07	8:00	7.188	4.545	2.505	4.355	3.143
5/16/07	12:00	7.2	4.626	2.566	4.381	3.329
5/16/07	16:00	7.219	4.675	2.557	4.388	3.418
5/16/07	20:00	7.235	4.661	2.51	4.386	3.385
5/17/07	0:00	7.251	4.65	2.496	4.397	3.362
5/17/07	4:00	7.256	4.638	2.491	4.399	3.348
5/17/07	8:00	7.279	4.664	2.54	4.434	3.406
5/17/07	12:00	7.291	4.724	2.594	4.448	3.535
5/17/07	16:00	7.307	4.794	2.624	4.46	3.649
5/17/07	20:00	7.326	4.783	2.552	4.444	3.595
5/18/07	0:00	7.326	4.731	2.51	4.418	3.514
5/18/07	4:00	7.326	4.708	2.498	4.411	3.472
5/18/07	8:00	7.342	4.736	2.545	4.434	3.535
5/18/07	12:00	7.363	4.827	2.613	4.458	3.724
5/18/07	16:00	7.386	4.897	2.645	4.474	3.833
5/18/07	20:00	7.403	4.874	2.557	4.444	3.742
5/19/07	0:00	7.403	4.808	2.508	4.414	3.637
5/19/07	4:00	7.403	4.776	2.489	4.402	3.574
5/19/07	8:00	7.414	4.794	2.54	4.42	3.614
5/19/07	12:00	7.445	4.909	2.627	4.455	3.854
5/19/07	16:00	7.47	4.986	2.666	4.472	3.973
5/19/07	20:00	7.489	4.955	2.564	4.441	3.857
5/20/07	0:00	7.487	4.883	2.512	4.414	3.731
5/20/07	4:00	7.482	4.836	2.487	4.395	3.656
5/20/07	8:00	7.489	4.841	2.526	4.402	3.682
5/20/07	12:00	7.517	4.96	2.62	4.441	3.922
5/20/07	16:00	7.547	5.044	2.664	4.455	4.057
5/20/07	20:00	7.557	5.007	2.559	4.418	3.938
5/21/07	0:00	7.557	4.932	2.505	4.39	3.803
5/21/07	4:00	7.545	4.878	2.48	4.372	3.719
5/21/07	8:00	7.557	4.902	2.543	4.39	3.782
5/21/07	12:00	7.584	5.025	2.643	4.43	4.048
5/21/07	16:00	7.615	5.102	2.673	4.451	4.139
5/21/07	20:00	7.622	5.058	2.571	4.414	4.006
5/22/07	0:00	7.612	4.983	2.512	4.374	3.868
5/22/07	4:00	7.601	4.927	2.48	4.353	3.78
5/22/07	8:00	7.603	4.897	2.475	4.346	3.733
5/22/07	12:00	7.61	4.909	2.505	4.358	3.766
5/22/07	16:00	7.626	4.997	2.571	4.367	3.945
5/22/07	20:00	7.64	4.981	2.505	4.346	3.88
5/23/07	0:00	7.64	4.932	2.473	4.341	3.777

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
5/23/07	4:00	7.626	4.89	2.454	4.32	3.698
5/23/07	8:00	7.636	4.89	2.484	4.339	3.693
5/23/07	12:00	7.657	4.934	2.496	4.355	3.775
5/23/07	16:00	7.671	4.988	2.494	4.276	3.873
5/23/07	20:00	7.657	4.829	2.389	4.241	3.553
5/24/07	0:00	7.617	4.72	2.354	4.199	3.266
5/24/07	4:00	7.354	3.711	2.247	3.703	2.275
5/24/07	8:00	7.076	3.644	2.24	3.491	2.261
5/24/07	12:00	6.832	3.9	2.323	3.503	2.405
5/24/07	16:00	6.678	4.099	2.372	3.615	2.662
5/24/07	20:00	6.589	4.155	2.342	3.678	2.79
5/25/07	0:00	6.54	4.171	2.335	3.729	2.86
5/25/07	4:00	6.519	4.183	2.342	3.773	2.919
5/25/07	8:00	6.526	4.206	2.379	3.82	2.984
5/25/07	12:00	6.536	4.262	2.426	3.85	3.178
5/25/07	16:00	6.561	4.318	2.44	3.869	3.346
5/25/07	20:00	6.585	4.293	2.375	3.864	3.308
5/26/07	0:00	6.606	4.265	2.354	3.866	3.255
5/26/07	4:00	6.615	4.251	2.347	3.866	3.215
5/26/07	8:00	6.587	3.989	2.314	3.776	2.48
5/26/07	12:00	6.603	4.104	2.386	3.829	2.671
5/26/07	16:00	6.627	4.192	2.4	3.855	2.9
5/26/07	20:00	6.655	4.216	2.363	3.869	2.975
5/27/07	0:00	6.678	4.223	2.354	3.883	3.012
5/27/07	4:00	6.697	4.234	2.358	3.894	3.042
5/27/07	8:00	6.72	4.262	2.398	3.92	3.117
5/27/07	12:00	6.748	4.344	2.456	3.939	3.311
5/27/07	16:00	6.773	4.388	2.452	3.929	3.439
5/27/07	20:00	6.799	4.372	2.389	3.918	3.383
5/28/07	0:00	6.808	4.335	2.356	3.899	3.306
5/28/07	4:00	6.82	4.328	2.354	3.901	3.269
5/28/07	8:00	6.829	4.321	2.351	3.897	3.248
5/28/07	12:00	6.848	4.386	2.424	3.915	3.413
5/28/07	16:00	6.876	4.442	2.435	3.92	3.537
5/28/07	20:00	6.899	4.43	2.384	3.913	3.481
5/29/07	0:00	6.909	4.395	2.354	3.899	3.397
5/29/07	4:00	6.92	4.386	2.351	3.904	3.35
5/29/07	8:00	6.939	4.407	2.384	3.918	3.381
5/29/07	12:00	6.965	4.498	2.466	3.946	3.605
5/29/07	16:00	6.995	4.531	2.421	3.871	3.654
5/29/07	20:00	6.995	4.447	2.349	3.894	3.444
5/30/07	0:00	6.995	4.423	2.34	3.885	3.371
5/30/07	4:00	6.99	4.402	2.33	3.864	3.327
5/30/07	8:00	7.004	4.393	2.316	3.871	3.283
5/30/07	12:00	7.018	4.416	2.37	3.876	3.224
5/30/07	16:00	7.044	4.493	2.417	3.901	3.406
5/30/07	20:00	7.062	4.496	2.37	3.906	3.404
5/31/07	0:00	7.069	4.465	2.349	3.897	3.353
5/31/07	4:00	7.072	4.451	2.344	3.892	3.322
5/31/07	8:00	7.086	4.484	2.398	3.913	3.395
5/31/07	12:00		4.582	2.463	3.929	3.633
5/31/07	16:00	7.59	4.719		4.014	3.863
5/31/07	20:00	7.562	4.367	2.55	3.935	2.867
6/1/07	0:00	7.397	3.76	2.501	3.616	2.442
6/1/07	4:00	7.315	3.961	2.534	3.653	2.531
6/1/07	8:00	7.294	4.087	2.55	3.695	2.61
6/1/07	12:00	7.287	4.206	2.611	3.732	2.799
6/1/07	16:00	7.301	4.304	2.616	3.758	3.021
6/1/07	20:00	7.299	4.318	2.574	3.749	3.072
6/2/07	0:00	7.304	4.327	2.567	3.76	3.103
6/2/07	4:00	7.299	4.327	2.562	3.758	3.126

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
6/2/07	8:00	7.306	4.337	2.567	3.769	3.152
6/2/07	12:00	7.327	4.409	2.637	3.804	3.322
6/2/07	16:00	7.35	4.444	2.599	3.788	3.366
6/2/07	20:00	7.26	3.944	2.501	3.583	2.617
6/3/07	0:00	7.206	4.042	2.529	3.618	2.594
6/3/07	4:00	7.176	4.101	2.534	3.632	2.669
6/3/07	8:00	7.162	4.152	2.546	3.658	2.767
6/3/07	12:00	7.166	4.236	2.613	3.69	2.988
6/3/07	16:00	7.192	4.367	2.679	3.725	3.306
6/3/07	20:00	7.197	4.292	2.56	3.676	2.956
6/4/07	0:00	7.201	4.273	2.546	3.69	2.988
6/4/07	4:00	7.201	4.271	2.546	3.695	3.026
6/4/07	8:00	7.218	4.292	2.557	3.716	3.07
6/4/07	12:00	7.246	4.386	2.655	3.753	3.313
6/4/07	16:00	7.285	4.495	2.721	3.786	3.59
6/4/07	20:00	7.315	4.458	2.588	3.744	3.431
6/5/07	0:00	7.32	4.397	2.55	3.737	3.261
6/5/07	4:00	7.329	4.381	2.55	3.751	3.196
6/5/07	8:00	7.336	4.376	2.553	3.755	3.161
6/5/07	12:00	7.36	4.449	2.648	3.79	3.34
6/5/07	16:00	7.383	4.544	2.695	3.8	3.618
6/5/07	20:00	7.404	4.556	2.651	3.776	3.7
6/6/07	0:00	7.399	4.479	2.567	3.746	3.504
6/6/07	4:00	7.383	4.439	2.548	3.725	3.333
6/6/07	8:00	7.376	4.428	2.562	3.716	3.221
6/6/07	12:00	7.397	4.535	2.672	3.742	3.464
6/6/07	16:00	7.43	4.619	2.7	3.742	3.795
6/6/07	20:00	7.448	4.631	2.655	3.711	3.856
6/7/07	0:00	7.453	4.575	2.567	3.669	3.66
6/7/07	4:00	7.458	4.547	2.548	3.676	3.494
6/7/07	8:00	7.467	4.535	2.555	3.69	3.373
6/7/07	12:00	7.511	4.652	2.674	3.753	3.679
6/7/07	16:00	7.553	4.754	2.763	3.788	4.024
6/7/07	20:00	7.602	4.803	2.749	3.809	4.124
6/8/07	0:00	7.635	4.738	2.644	3.823	3.933
6/8/07	4:00	7.646	4.687	2.609	3.83	3.774
6/8/07	8:00	7.653	4.661	2.611	3.853	3.634
6/8/07	12:00	7.677	4.733	2.711	3.893	3.772
6/8/07	16:00	7.693	4.81	2.765	3.895	4.036
6/8/07	20:00	7.709	4.817	2.709	3.863	4.092
6/9/07	0:00	7.705	4.731	2.616	3.835	3.891
6/9/07	4:00	7.693	4.677	2.588	3.825	3.714
6/9/07	8:00	7.688	4.661	2.604	3.832	3.595
6/9/07	12:00	7.719	4.775	2.728	3.867	3.877
6/9/07	16:00	7.737	4.878	2.797	3.87	4.162
6/9/07	20:00	7.758	4.897	2.744	3.842	4.22
6/10/07	0:00	7.756	4.801	2.625	3.809	4.01
6/10/07	4:00	7.733	4.733	2.578	3.781	3.819
6/10/07	8:00	7.728	4.698	2.576	3.783	3.66
6/10/07	12:00	7.737	4.761	2.672	3.809	3.77
6/10/07	16:00	7.782	4.906	2.777	3.849	4.155
6/10/07	20:00	7.8	4.922	2.721	3.821	4.229
6/11/07	0:00	7.798	4.82	2.606	3.797	4.01
6/11/07	4:00	7.775	4.747	2.562	3.769	3.8
6/11/07	8:00	7.765	4.708	2.553	3.772	3.63
6/11/07	12:00	7.775	4.757	2.646	3.809	3.667
6/11/07	16:00	7.81	4.885	2.741	3.842	4.033
6/11/07	20:00	7.835	4.92	2.714	3.835	4.164
6/12/07	0:00	7.83	4.827	2.604	3.807	3.97
6/12/07	4:00	7.812	4.757	2.567	3.786	3.779
6/12/07	8:00	7.798	4.722	2.557	3.781	3.625

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
6/12/07	12:00	7.81	4.785	2.653	3.811	3.742
6/12/07	16:00	7.844	4.913	2.746	3.837	4.087
6/12/07	20:00	7.863	4.918	2.667	3.814	4.136
6/13/07	0:00	7.854	4.829	2.583	3.783	3.947
6/13/07	4:00	7.833	4.778	2.557	3.76	3.77
6/13/07	8:00	7.819	4.743	2.557	3.758	3.634
6/13/07	12:00	7.819	4.712	2.515	3.723	3.48
6/13/07	16:00	7.719	4.173	2.429	3.341	2.566
6/13/07	20:00	7.649	4.262	2.455	3.364	2.608
6/14/07	0:00	7.628	4.369	2.469	3.423	2.68
6/14/07	4:00	7.611	4.411	2.473	3.446	2.701
6/14/07	8:00	7.609	4.448	2.48	3.476	2.734
6/14/07	12:00	7.621	4.518	2.564	3.525	2.881
6/14/07	16:00	7.649	4.621	2.595	3.558	3.179
6/14/07	20:00	7.674	4.652	2.548	3.56	3.329
6/15/07	0:00	7.677	4.605	2.504	3.56	3.221
6/15/07	4:00	7.672	4.582	2.497	3.562	3.116
6/15/07	8:00	7.674	4.574	2.504	3.576	3.051
6/15/07	12:00	7.695	4.673	2.632	3.627	3.305
6/15/07	16:00	7.737	4.787	2.706	3.658	3.688
6/15/07	20:00	7.768	4.808	2.646	3.644	3.798
6/16/07	0:00	7.768	4.722	2.546	3.62	3.599
6/16/07	4:00	7.756	4.675	2.515	3.611	3.424
6/16/07	8:00	7.749	4.652	2.513	3.62	3.298
6/16/07	12:00	7.775	4.745	2.627	3.669	3.494
6/16/07	16:00	7.807	4.864	2.709	3.695	3.898
6/16/07	20:00	7.833	4.897	2.669	3.676	4.022
6/17/07	0:00	7.826	4.789	2.553	3.644	3.786
6/17/07	4:00	7.803	4.722	2.511	3.616	3.574
6/17/07	8:00	7.782	4.689	2.511	3.618	3.41
6/17/07	12:00	7.791	4.773	2.623	3.653	3.555
6/17/07	16:00	7.83	4.908	2.706	3.681	3.975
6/17/07	20:00	7.854	4.934	2.66	3.653	4.106
6/18/07	0:00	7.851	4.838	2.553	3.62	3.877
6/18/07	4:00	7.83	4.775	2.522	3.611	3.662
6/18/07	8:00	7.814	4.736	2.504	3.602	3.48
6/18/07	12:00	7.812	4.759	2.546	3.625	3.448
6/18/07	16:00	7.823	4.808	2.602	3.639	3.525
6/18/07	20:00	7.851	4.855	2.62	3.658	3.662
6/19/07	0:00	7.851	4.782	2.525	3.637	3.508
6/19/07	4:00	7.847	4.747	2.515	3.648	3.375
6/19/07	8:00	7.842	4.729	2.522	3.665	3.287
6/19/07	12:00	7.868	4.829	2.681	3.728	3.532
6/19/07	16:00	7.9	4.929	2.744	3.751	3.872
6/19/07	20:00	7.919	4.946	2.692	3.732	4.015
6/20/07	0:00	7.903	4.845	2.574	3.688	3.781
6/20/07	4:00	7.891	4.794	2.534	3.669	3.595
6/20/07	8:00	7.879	4.771	2.546	3.681	3.462
6/20/07	12:00	7.898	4.885	2.662	3.721	3.688
6/20/07	16:00	7.931	5.004	2.732	3.737	4.061
6/20/07	20:00	7.954	5.034	2.702	3.721	4.206
6/21/07	0:00	7.942	4.915	2.567	3.672	3.966
6/21/07	4:00	7.926	4.845	2.529	3.658	3.744
6/21/07	8:00	7.903	4.796	2.515	3.644	3.555
6/21/07	12:00	7.921	4.904	2.641	3.695	3.767
6/21/07	16:00	7.97	5.048	2.718	3.739	4.162
6/21/07	20:00	7.984	5.065	2.695	3.709	4.281
6/22/07	0:00	7.982	4.962	2.574	3.681	4.052
6/22/07	4:00	7.959	4.883	2.525	3.653	3.816
6/22/07	8:00	7.931	4.834	2.511	3.637	3.618
6/22/07	12:00	7.938	4.901	2.601	3.674	3.704

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
6/22/07	16:00	7.977	5.065	2.709	3.716	4.145
6/22/07	20:00	7.996	5.034	2.606	3.676	4.18
6/23/07	0:00	7.98	4.927	2.525	3.644	3.903
6/23/07	4:00	7.949	4.852	2.497	3.62	3.651
6/23/07	8:00	7.931	4.813	2.494	3.62	3.48
6/23/07	12:00	7.917	4.815	2.543	3.639	3.427
6/23/07	16:00	7.935	4.911	2.62	3.674	3.648
6/23/07	20:00	7.959	4.955	2.613	3.676	3.802
6/24/07	0:00	7.945	4.862	2.515	3.637	3.597
6/24/07	4:00	7.921	4.808	2.492	3.618	3.422
6/24/07	8:00	7.91	4.78	2.49	3.62	3.308
6/24/07	12:00	7.907	4.822	2.569	3.653	3.373
6/24/07	16:00	7.945	4.964	2.678	3.711	3.739
6/24/07	20:00	7.987	5.023	2.667	3.711	3.947
6/25/07	0:00	7.982	4.92	2.541	3.662	3.73
6/25/07	4:00	7.961	4.854	2.506	3.639	3.543
6/25/07	8:00	7.938	4.81	2.499	3.634	3.392
6/25/07	12:00	7.966	4.934	2.636	3.704	3.655
6/25/07	16:00	8.017	5.097	2.753	3.765	4.113
6/25/07	20:00	8.047	5.142	2.732	3.758	4.297
6/26/07	0:00	8.045	5.018	2.58	3.702	4.075
6/26/07	4:00	8.026	4.939	2.529	3.676	3.826
6/26/07	8:00	8.003	4.885	2.51	3.662	3.62
6/26/07	12:00	8.022	4.981	2.632	3.725	3.798
6/26/07	16:00	8.068	5.118	2.699	3.755	4.159
6/26/07	20:00	8.091	5.153	2.66	3.735	4.334
6/27/07	0:00	8.08	5.027	2.55	3.697	4.085
6/27/07	4:00	8.052	4.943	2.503	3.66	3.823
6/27/07	8:00	8.033	4.913	2.536	3.683	3.674
6/27/07	12:00	8.057	5.018	2.688	3.746	3.9
6/27/07	16:00	8.089	5.102	2.739	3.767	4.127
6/27/07	20:00	8.098	5.088	2.655	3.735	4.187
6/28/07	0:00	8.078	4.981	2.548	3.688	3.926
6/28/07	4:00	8.054	4.917	2.51	3.662	3.7
6/28/07	8:00	8.029	4.88	2.52	3.665	3.557
6/28/07	12:00	8.047	4.976	2.639	3.723	3.76
6/28/07	16:00	8.082	5.088	2.716	3.758	4.057
6/28/07	20:00	8.108	5.102	2.655	3.739	4.157
6/29/07	0:00	8.087	4.988	2.543	3.688	3.891
6/29/07	4:00	8.052	4.913	2.499	3.651	3.664
6/29/07	8:00	8.031	4.878	2.499	3.653	3.506
6/29/07	12:00	8.038	4.948	2.625	3.714	3.651
6/29/07	16:00	8.073	5.076	2.709	3.751	3.966
6/29/07	20:00	8.089	5.044	2.615	3.714	3.98
6/30/07	0:00	8.075	4.95	2.531	3.676	3.737
6/30/07	4:00	8.043	4.885	2.492	3.641	3.536
6/30/07	8:00	8.019	4.847	2.489	3.637	3.396
6/30/07	12:00	8.036	4.952	2.625	3.702	3.62
6/30/07	16:00	8.08	5.104	2.718	3.755	3.989
6/30/07	20:00	8.117	5.125	2.674	3.744	4.147
7/1/07	0:00	8.108	5.008	2.55	3.695	3.905
7/1/07	4:00	8.078	4.929	2.503	3.658	3.681
7/1/07	8:00	8.054	4.885	2.492	3.651	3.506
7/1/07	12:00	8.066	4.971	2.618	3.714	3.671
7/1/07	16:00	8.117	5.116	2.706	3.772	4.035
7/1/07	20:00	8.14	5.135	2.662	3.755	4.166
7/2/07	0:00	8.126	5.018	2.545	3.702	3.93
7/2/07	4:00	8.101	4.938	2.499	3.665	3.704
7/2/07	8:00	8.071	4.889	2.482	3.646	3.524
7/2/07	12:00	8.082	4.987	2.601	3.709	3.713
7/2/07	16:00	8.129	5.144	2.69	3.767	4.098

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/2/07	20:00	8.159	5.149	2.627	3.744	4.22
7/3/07	0:00	8.145	5.027	2.527	3.693	3.972
7/3/07	4:00	8.103	4.943	2.48	3.641	3.725
7/3/07	8:00	8.078	4.894	2.475	3.632	3.536
7/3/07	12:00	8.098	5.013	2.597	3.709	3.769
7/3/07	16:00	8.152	5.179	2.702	3.776	4.201
7/3/07	20:00	8.187	5.198	2.655	3.767	4.353
7/4/07	0:00	8.173	5.067	2.534	3.697	4.129
7/4/07	4:00	8.143	4.987	2.494	3.662	3.884
7/4/07	8:00	8.124	4.941	2.492	3.66	3.685
7/4/07	12:00	8.138	5.053	2.632	3.737	3.926
7/4/07	16:00	8.201	5.235	2.788	3.832	4.327
7/4/07	20:00	8.229	5.235	2.72	3.811	4.42
7/5/07	0:00	8.21	5.095	2.564	3.725	4.203
7/5/07	4:00	8.178	5.006	2.506	3.686	3.961
7/5/07	8:00	8.154	4.957	2.494	3.676	3.748
7/5/07	12:00	8.173	5.069	2.65	3.762	3.965
7/5/07	16:00	8.234	5.249	2.795	3.851	4.374
7/5/07	20:00	8.264	5.265	2.744	3.835	4.486
7/6/07	0:00	8.245	5.12	2.58	3.753	4.287
7/6/07	4:00	8.213	5.034	2.515	3.704	4.056
7/6/07	8:00	8.185	4.985	2.499	3.688	3.849
7/6/07	12:00	8.213	5.139	2.66	3.776	4.166
7/6/07	16:00	8.273	5.324	2.786	3.872	4.521
7/6/07	20:00	8.306	5.342	2.737	3.851	4.616
7/7/07	0:00	8.289	5.193	2.578	3.76	4.465
7/7/07	4:00	8.254	5.097	2.515	3.709	4.269
7/7/07	8:00	8.228	5.062	2.534	3.702	4.091
7/7/07	12:00	8.258	5.216	2.683	3.795	4.35
7/7/07	16:00	8.322	5.384	2.827	3.895	4.644
7/7/07	20:00	8.355	5.41	2.781	3.881	4.735
7/8/07	0:00	8.341	5.253	2.601	3.776	4.598
7/8/07	4:00	8.308	5.158	2.531	3.727	4.425
7/8/07	8:00	8.28	5.099	2.524	3.711	4.222
7/8/07	12:00	8.308	5.251	2.692	3.804	4.418
7/8/07	16:00	8.373	5.431	2.862	3.928	4.724
7/8/07	20:00	8.406	5.44	2.781	3.895	4.784
7/9/07	0:00	8.383	5.274	2.599	3.786	4.63
7/9/07	4:00	8.345	5.172	2.524	3.732	4.451
7/9/07	8:00	8.315	5.081	2.473	3.693	4.117
7/9/07	12:00	8.292	5.069	2.536	3.73	3.975
7/9/07	16:00	8.287	5.116	2.576	3.748	4.019
7/9/07	20:00	8.294	5.134	2.571	3.753	4.089
7/10/07	0:00	8.268	5.039	2.487	3.699	3.891
7/10/07	4:00	8.245	4.99	2.468	3.681	3.737
7/10/07	8:00	8.217	4.952	2.461	3.667	3.629
7/10/07	12:00	8.236	5.062	2.613	3.769	3.86
7/10/07	16:00	8.292	5.218	2.713	3.869	4.206
7/10/07	20:00	8.334	5.251	2.692	3.867	4.353
7/11/07	0:00	8.327	5.132	2.566	3.809	4.161
7/11/07	4:00	8.294	5.048	2.515	3.762	3.972
7/11/07	8:00	8.268	5.004	2.506	3.753	3.814
7/11/07	12:00	8.283	5.104	2.641	3.83	3.991
7/11/07	16:00	8.322	5.242	2.729	3.895	4.278
7/11/07	20:00	8.362	5.274	2.69	3.881	4.413
7/12/07	0:00	8.341	5.139	2.557	3.797	4.22
7/12/07	4:00	8.299	5.053	2.506	3.748	4.026
7/12/07	8:00	8.268	5.001	2.492	3.725	3.846
7/12/07	12:00	8.262	5.039	2.543	3.753	3.877
7/12/07	16:00	8.306	5.204	2.66	3.846	4.208
7/12/07	20:00	8.292	5.074	2.515	3.753	3.984

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/13/07	0:00	8.271	5.004	2.487	3.73	3.795
7/13/07	4:00	8.243	4.957	2.471	3.706	3.66
7/13/07	8:00	8.224	4.934	2.48	3.711	3.587
7/13/07	12:00	8.234	5.025	2.622	3.797	3.937
7/13/07	16:00	8.278	5.16	2.734	3.9	4.32
7/13/07	20:00	8.315	5.188	2.68	3.876	4.423
7/14/07	0:00	8.294	5.06	2.541	3.776	4.241
7/14/07	4:00	8.259	4.985	2.492	3.723	4.122
7/14/07	8:00	8.236	4.964	2.508	3.723	4.098
7/14/07	12:00	8.261	5.097	2.653	3.828	4.392
7/14/07	16:00	8.327	5.239	2.792	3.944	4.607
7/14/07	20:00	8.373	5.267	2.755	3.937	4.684
7/15/07	0:00	8.355	5.127	2.58	3.825	4.511
7/15/07	4:00	8.32	5.039	2.515	3.767	4.378
7/15/07	8:00	8.294	4.99	2.499	3.748	4.273
7/15/07	12:00	8.306	5.078	2.636	3.835	4.446
7/15/07	16:00	8.364	5.228	2.757	3.939	4.686
7/15/07	20:00	8.399	5.244	2.704	3.914	4.733
7/16/07	0:00	8.378	5.12	2.564	3.818	4.588
7/16/07	4:00	8.35	5.048	2.513	3.776	4.472
7/16/07	8:00	8.32	5.011	2.489	3.748	4.36
7/16/07	12:00	8.341	5.127	2.634	3.844	4.565
7/16/07	16:00	8.399	5.281	2.767	3.956	4.789
7/16/07	20:00	8.443	5.328	2.727	3.951	4.847
7/17/07	0:00	8.422	5.19	2.564	3.83	4.686
7/17/07	4:00	8.39	5.104	2.506	3.774	4.567
7/17/07	8:00	8.362	5.067	2.513	3.765	4.492
7/17/07	12:00	8.392	5.197	2.683	3.886	4.705
7/17/07	16:00	8.457	5.354	2.858	4.028	4.896
7/17/07	20:00	8.492	5.389	2.802	4.009	4.934
7/18/07	0:00	8.474	5.246	2.613	3.883	4.772
7/18/07	4:00	8.441	5.158	2.541	3.823	4.658
7/18/07	8:00	8.408	5.099	2.513	3.793	4.567
7/18/07	12:00	8.411	5.148	2.601	3.842	4.625
7/18/07	16:00	8.46	5.312	2.781	3.974	4.852
7/18/07	20:00	8.511	5.379	2.762	3.993	4.94
7/19/07	0:00	8.488	5.242	2.587	3.869	4.784
7/19/07	4:00	8.467	5.172	2.541	3.839	4.674
7/19/07	8:00	8.376	4.819	2.419	3.609	4.072
7/19/07	12:00	8.336	4.868	2.496	3.702	4.063
7/19/07	16:00	8.339	4.978	2.606	3.811	4.282
7/19/07	20:00	8.334	4.976	2.543	3.781	4.243
7/20/07	0:00	8.318	4.931	2.487	3.746	4.138
7/20/07	4:00	8.294	4.896	2.464	3.72	4.068
7/20/07	8:00	8.276	4.889	2.48	3.73	4.033
7/20/07	12:00	8.28	4.955	2.592	3.816	4.166
7/20/07	16:00	8.318	5.053	2.685	3.888	4.359
7/20/07	20:00	8.334	5.05	2.627	3.853	4.352
7/21/07	0:00	8.318	4.971	2.512	3.779	4.189
7/21/07	4:00	8.292	4.92	2.485	3.753	4.096
7/21/07	8:00	8.271	4.896	2.482	3.751	4.04
7/21/07	12:00	8.285	4.978	2.61	3.844	4.222
7/21/07	16:00	8.327	5.071	2.68	3.914	4.383
7/21/07	20:00	8.357	5.09	2.648	3.895	4.42
7/22/07	0:00	8.341	5.004	2.531	3.813	4.261
7/22/07	4:00	8.311	4.943	2.489	3.769	4.147
7/22/07	8:00	8.287	4.91	2.487	3.758	4.077
7/22/07	12:00	8.299	4.99	2.592	3.837	4.24
7/22/07	16:00	8.348	5.106	2.711	3.937	4.446
7/22/07	20:00	8.383	5.125	2.669	3.914	4.492
7/23/07	0:00	8.364	5.029	2.536	3.821	4.329

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
7/23/07	4:00	8.334	4.962	2.487	3.769	4.203
7/23/07	8:00	8.301	4.917	2.464	3.739	4.105
7/23/07	12:00	8.287	4.927	2.508	3.767	4.112
7/23/07	16:00	8.311	5.032	2.62	3.865	4.331
7/23/07	20:00	8.35	5.097	2.629	3.879	4.432
7/24/07	0:00	8.334	5.001	2.506	3.793	4.264
7/24/07	4:00	8.306	4.938	2.471	3.748	4.14
7/24/07	8:00	8.278	4.901	2.461	3.73	4.054
7/24/07	12:00			2.58	3.809	4.245
7/24/07	16:00	8.359	5.183			4.544
7/24/07	20:00	8.408	5.221	2.706	3.928	4.602
7/25/07	0:00	8.392	5.111	2.545	3.818	4.436
7/25/07	4:00	8.362	5.046	2.489	3.769	4.31
7/25/07	8:00	8.334	5.004	2.47	3.744	4.217
7/25/07	12:00	8.35	5.095	2.61	3.841	4.408
7/25/07	16:00	8.42	5.246	2.76	3.974	4.646
7/25/07	20:00	8.462	5.274	2.736	3.963	4.712
7/26/07	0:00	8.446	5.165	2.571	3.851	4.555
7/26/07	4:00	8.408	5.09	2.51	3.795	4.432
7/26/07	8:00	8.378	5.036	2.482	3.765	4.331
7/26/07	12:00	8.397	5.148	2.641	3.876	4.53
7/26/07	16:00	8.471	5.319	2.806	4.028	4.77
7/26/07	20:00	8.516	5.354	2.743	3.99	4.847
7/27/07	0:00	8.502	5.239	2.587	3.883	4.695
7/27/07	4:00	8.471	5.155	2.512	3.827	4.579
7/27/07	8:00	8.432	5.083	2.477	3.788	4.464
7/27/07	12:00	8.42	5.095	2.55	3.834	4.455
7/27/07	16:00	8.45	5.169	2.629	3.9	4.586
7/27/07	20:00	8.481	5.197	2.629	3.902	4.646
7/28/07	0:00	8.453	5.109	2.508	3.818	4.488
7/28/07	4:00	8.413	5.048	2.47	3.779	4.373
7/28/07	8:00	8.385	5.013	2.463	3.762	4.285
7/28/07	12:00	8.385	5.069	2.568	3.827	4.38
7/28/07	16:00	8.415	5.132	2.608	3.874	4.495
7/28/07	20:00	8.42	5.099	2.533	3.823	4.439
7/29/07	0:00	8.394	5.036	2.48	3.779	4.303
7/29/07	4:00	8.359	4.987	2.449	3.744	4.205
7/29/07	8:00	8.336	4.957	2.442	3.732	4.142
7/29/07	12:00	8.313	4.92	2.428	3.711	4.086
7/29/07	16:00	8.306	4.957	2.51	3.772	4.149
7/29/07	20:00	8.327	5.015	2.531	3.799	4.275
7/30/07	0:00	8.306	4.957	2.463	3.753	4.124
7/30/07	4:00	8.285	4.922	2.445	3.725	4.044
7/30/07	8:00	8.269	4.908	2.449	3.723	4.007
7/30/07	12:00	8.292	5.001	2.578	3.823	4.231
7/30/07	16:00	8.343	5.116	2.666	3.909	4.434
7/30/07	20:00	8.39	5.151	2.648	3.909	4.502
7/31/07	0:00	8.378	5.06	2.519	3.825	4.329
7/31/07	4:00	8.352	5.004	2.475	3.783	4.203
7/31/07	8:00	8.32	4.969	2.461	3.76	4.112
7/31/07	12:00	8.348	5.069	2.606	3.86	4.315
7/31/07	16:00	8.404	5.193	2.704	3.951	4.525
7/31/07	20:00	8.443	5.216	2.662	3.928	4.586
8/1/07	0:00	8.427	5.123	2.531	3.837	4.42
8/1/07	4:00	8.392	5.062	2.484	3.79	4.292
8/1/07	8:00	8.359	5.02	2.466	3.765	4.194
8/1/07	12:00	8.371	5.088	2.566	3.846	4.329
8/1/07	16:00	8.434	5.216	2.692	3.965	4.567
8/1/07	20:00	8.462	5.188	2.585	3.9	4.55
8/2/07	0:00	8.443	5.12	2.515	3.851	4.408
8/2/07	4:00	8.406	5.06	2.475	3.802	4.284

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/2/07	8:00	8.378	5.025	2.463	3.783	4.189
8/2/07	12:00	8.387	5.081	2.573	3.865	4.317
8/2/07	16:00	8.453	5.214	2.694	3.979	4.555
8/2/07	20:00	8.49	5.237	2.648	3.955	4.606
8/3/07	0:00	8.467	5.141	2.526	3.869	4.438
8/3/07	4:00	8.432	5.078	2.484	3.823	4.31
8/3/07	8:00	8.401	5.041	2.475	3.809	4.207
8/3/07	12:00	8.422	5.137	2.655	3.918	4.415
8/3/07	16:00	8.495	5.281	2.783	4.039	4.646
8/3/07	20:00	8.525	5.286	2.706	4	4.693
8/4/07	0:00	8.497	5.181	2.559	3.893	4.532
8/4/07	4:00	8.457	5.116	2.503	3.834	4.41
8/4/07	8:00	8.425	5.074	2.489	3.818	4.319
8/4/07	12:00	8.443	5.181	2.636	3.934	4.543
8/4/07	16:00	8.516	5.326	2.818	4.1	4.784
8/4/07	20:00	8.562	5.365	2.778	4.09	4.865
8/5/07	0:00	8.546	5.256	2.606	3.965	4.714
8/5/07	4:00	8.513	5.188	2.543	3.909	4.609
8/5/07	8:00	8.483	5.139	2.51	3.872	4.515
8/5/07	12:00	8.516	5.249	2.652	3.976	4.669
8/5/07	16:00	8.572	5.314	2.673	4.018	4.777
8/5/07	20:00	8.562	5.246	2.578	3.941	4.681
8/6/07	0:00	8.523	5.167	2.503	3.876	4.548
8/6/07	4:00	8.483	5.109	2.475	3.839	4.438
8/6/07	8:00	8.45	5.069	2.466	3.818	4.34
8/6/07	12:00	8.45	5.095	2.494	3.841	4.382
8/6/07	16:00	8.422	5.027	2.552	3.832	4.382
8/6/07	20:00	8.441	5.097	2.538	3.865	4.471
8/7/07	0:00	8.415	5.048	2.482	3.823	4.326
8/7/07	4:00	8.39	5.001	2.452	3.788	4.219
8/7/07	8:00	8.331	4.719	2.393	3.671	3.913
8/7/07	12:00	8.315	4.835	2.51	3.776	4.107
8/7/07	16:00	8.329	4.919	2.505	3.802	4.084
8/7/07	20:00	8.31	4.915	2.473	3.769	4.053
8/8/07	0:00	8.296	4.891	2.438	3.739	3.955
8/8/07	4:00	8.252	4.681	2.37	3.627	3.703
8/8/07	8:00	8.227	4.726	2.4	3.664	3.706
8/8/07	12:00	8.029	3.575	2.291	3.241	2.704
8/8/07	16:00	7.97	4.049	2.442	3.476	3.108
8/8/07	20:00	7.961	4.266	2.405	3.525	3.129
8/9/07	0:00	7.968	4.378	2.4	3.562	3.146
8/9/07	4:00	7.973	4.446	2.398	3.58	3.223
8/9/07	8:00	7.987	4.502	2.41	3.608	3.267
8/9/07	12:00	8.014	4.581	2.491	3.688	3.577
8/9/07	16:00	8.084	4.735	2.627	3.816	4.326
8/9/07	20:00	8.138	4.807	2.599	3.818	3.955
8/10/07	0:00	8.15	4.779	2.487	3.76	3.701
8/10/07	4:00	7.798	3.269	2.295	3.185	2.371
8/10/07	8:00	7.709	3.675	2.333	3.32	2.527
8/10/07	12:00	7.721	3.977	2.477	3.511	2.963
8/10/07	16:00	7.784	4.243	2.589	3.662	3.587
8/10/07	20:00	7.851	4.397	2.559	3.681	3.444
8/11/07	0:00	7.865	4.408	2.447	3.629	3.304
8/11/07	4:00	7.875	4.427	2.424	3.622	3.26
8/11/07	8:00	7.882	4.441	2.41	3.62	3.257
8/11/07	12:00	7.923	4.581	2.596	3.771	3.895
8/11/07	16:00	8.012	4.77	2.715	3.902	4.571
8/11/07	20:00	8.075	4.828	2.638	3.862	4.182
8/12/07	0:00	8.087	4.756	2.51	3.783	3.827
8/12/07	4:00	8.084	4.716	2.466	3.75	3.657
8/12/07	8:00	8.08	4.698	2.452	3.743	3.626

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/12/07	12:00	8.105	4.77	2.578	3.834	3.974
8/12/07	16:00	8.147	4.87	2.666	3.923	4.238
8/12/07	20:00	7.977	3.666	2.375	3.497	2.471
8/13/07	0:00	7.856	3.902	2.377	3.508	2.506
8/13/07	4:00	7.803	4.049	2.382	3.534	2.62
8/13/07	8:00	7.779	4.138	2.389	3.552	2.716
8/13/07	12:00	7.803	4.273	2.51	3.66	3.099
8/13/07	16:00	7.868	4.462	2.64	3.788	3.668
8/13/07	20:00	7.928	4.567	2.608	3.79	3.696
8/14/07	0:00	7.933	4.53	2.473	3.709	3.456
8/14/07	4:00	7.928	4.52	2.442	3.69	3.39
8/14/07	8:00	7.926	4.525	2.433	3.683	3.36
8/14/07	12:00	7.968	4.653	2.578	3.806	3.922
8/14/07	16:00	8.038	4.798	2.722	3.92	4.338
8/14/07	20:00	8.08	4.817	2.647	3.876	4.118
8/15/07	0:00	8.075	4.744	2.498	3.778	3.822
8/15/07	4:00	8.054	4.7	2.454	3.732	3.687
8/15/07	8:00	8.043	4.686	2.438	3.722	3.598
8/15/07	12:00	8.071	4.754	2.524	3.79	3.922
8/15/07	16:00	8.108	4.819	2.545	3.832	4.016
8/15/07	20:00	8.098	4.768	2.463	3.764	3.806
8/16/07	0:00	8.087	4.735	2.44	3.743	3.642
8/16/07	4:00	8.068	4.709	2.431	3.729	3.633
8/16/07	8:00	8.068	4.695	2.421	3.734	3.516
8/16/07	12:00	8.038	4.611	2.414	3.704	3.33
8/16/07	16:00	8.026	4.616	2.456	3.729	3.439
8/16/07	20:00	8.035	4.656	2.466	3.753	3.484
8/17/07	0:00	8.026	4.642	2.431	3.734	3.325
8/17/07	4:00	8.012	4.63	2.417	3.72	3.332
8/17/07	8:00	8.003	4.628	2.419	3.718	3.369
8/17/07	12:00	8.001	4.649	2.475	3.748	3.558
8/17/07	16:00	8.04	4.744	2.561	3.832	3.836
8/17/07	20:00	8.047	4.73	2.475	3.776	3.67
8/18/07	0:00	8.038	4.698	2.44	3.75	3.528
8/18/07	4:00	8.014	4.667	2.421	3.722	3.474
8/18/07	8:00	8.005	4.653	2.419	3.713	3.456
8/18/07	12:00	8.024	4.733	2.54	3.799	3.857
8/18/07	16:00	8.091	4.882	2.671	3.927	4.359
8/18/07	20:00	8.133	4.919	2.619	3.906	4.247
8/19/07	0:00	8.122	4.835	2.491	3.816	3.955
8/19/07	4:00	8.103	4.793	2.461	3.79	3.801
8/19/07	8:00	8.087	4.763	2.449	3.774	3.717
8/19/07	12:00	8.103	4.817	2.529	3.837	3.999
8/19/07	16:00	8.15	4.945	2.652	3.946	4.375
8/19/07	20:00	8.168	4.931	2.563	3.883	4.191
8/20/07	0:00	8.152	4.861	2.486	3.825	3.936
8/20/07	4:00	8.122	4.803	2.456	3.781	3.782
8/20/07	8:00	8.098	4.77	2.442	3.767	3.745
8/20/07	12:00	8.096	4.796	2.515	3.816	3.943
8/20/07	16:00	8.161	4.947	2.694	3.972	4.387
8/20/07	20:00	8.171	4.602	2.54	3.839	3.661
8/21/07	0:00	8.01	4.109	2.4	3.611	2.646
8/21/07	4:00	7.945	4.235	2.403	3.629	2.72
8/21/07	8:00	7.914	4.315	2.414	3.655	2.828
8/21/07	12:00	7.917	4.427	2.517	3.739	3.255
8/21/07	16:00	7.97	4.607	2.645	3.864	3.862
8/21/07	20:00	8.021	4.721	2.636	3.895	3.904
8/22/07	0:00	8.031	4.679	2.512	3.829	3.584
8/22/07	4:00	8.01	4.639	2.461	3.781	3.528
8/22/07	8:00	7.998	4.625	2.454	3.776	3.439
8/22/07	12:00	8.04	4.737	2.605	3.895	3.96

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
8/22/07	16:00	8.063	4.754	2.573	3.89	3.822
8/22/07	20:00	8.056	4.714	2.489	3.869	3.626
8/23/07	0:00	7.952	3.808	2.333	3.692	2.625
8/23/07	4:00	7.812	3.836	2.349	3.499	2.513
8/23/07	8:00	7.746	3.99	2.377	3.534	2.632
8/23/07	12:00	7.714	4.102	2.44	3.592	2.94
8/23/07	16:00	7.746	4.287	2.524	3.706	3.264
8/23/07	20:00	7.744	4.156	2.414	3.622	2.818
8/24/07	0:00	7.499	3.134	2.286	3.308	2.293
8/24/07	4:00	7.343	3.437	2.316	3.24	2.375
8/24/07	8:00	7.299	3.598	2.335	3.292	2.417
8/24/07	12:00	7.299	3.72	2.384	3.431	2.611
8/24/07	16:00	7.327	3.85	2.435	3.513	2.793
8/24/07	20:00	7.362	3.927	2.405	3.531	2.746
8/25/07	0:00	7.385	3.962	2.382	3.536	2.692
8/25/07	4:00	7.411	4.011	2.393	3.562	2.718
8/25/07	8:00	7.439	4.051	2.402	3.583	2.767
8/25/07	12:00	7.478	4.137	2.514	3.669	3.178
8/25/07	16:00	7.544	4.291	2.605	3.774	3.698
8/25/07	20:00	7.59	4.34	2.538	3.75	3.504
8/26/07	0:00	7.607	4.31	2.456	3.697	3.292
8/26/07	4:00	7.616	4.305	2.44	3.687	3.297
8/26/07	8:00	7.625	4.317	2.442	3.697	3.315
8/26/07	12:00	7.644	4.373	2.521	3.76	3.623
8/26/07	16:00	7.688	4.485	2.638	3.857	4.088
8/26/07	20:00	7.723	4.527	2.58	3.825	3.959
8/27/07	0:00	7.735	4.485	2.479	3.762	3.7
8/27/07	4:00	7.732	4.459	2.449	3.729	3.6
8/27/07	8:00	7.732	4.459	2.451	3.729	3.57
8/27/07	12:00	7.774	4.585	2.608	3.867	4.137
8/27/07	16:00	7.833	4.721	2.748	3.988	4.552
8/27/07	20:00	7.877	4.756	2.682	3.962	4.321
8/28/07	0:00	7.884	4.679	2.549	3.878	3.955
8/28/07	4:00	7.877	4.63	2.496	3.834	3.819
8/28/07	8:00	7.87	4.602	2.477	3.813	3.719
8/28/07	12:00	7.905	4.704	2.622	3.92	4.191
8/28/07	16:00	7.954	4.842	2.769	4.048	4.58
8/28/07	20:00	7.97	4.695	2.596	3.944	4.053
8/29/07	0:00	7.721	3.122	2.339	3.583	2.289
8/29/07	4:00	7.367	3.173	2.314	3.331	2.209
8/29/07	8:00	7.21	3.463	2.367	3.399	2.286
8/29/07	12:00	7.159	3.617	2.393	3.487	2.419
8/29/07	16:00	7.157	3.736	2.451	3.569	2.685
8/29/07	20:00	7.178	3.834	2.447	3.604	2.676
8/30/07	0:00	7.201	3.881	2.421	3.615	2.59
8/30/07	4:00	7.217	3.911	2.419	3.624	2.62
8/30/07	8:00	7.241	3.946	2.423	3.641	2.692
8/30/07	12:00	7.278	4.021	2.533	3.715	3.105
8/30/07	16:00	7.408	4.156	2.619	3.808	3.619
8/30/07	20:00	7.378	4.191	2.54	3.771	3.413
8/31/07	0:00	7.394	4.17	2.468	3.727	3.304
8/31/07	4:00	7.406	4.163	2.447	3.708	3.262
8/31/07	8:00	7.42	4.172	2.447	3.711	3.248
8/31/07	12:00	7.457	4.259	2.57	3.804	3.535
8/31/07	16:00	7.509	4.382	2.673	3.892	3.864
8/31/07	20:00	7.546	4.408	2.603	3.855	3.819
9/1/07	0:00	7.555	4.357	2.503	3.792	3.633
9/1/07	4:00	7.558	4.333	2.47	3.767	3.542
9/1/07	8:00	7.56	4.322	2.461	3.76	3.49
9/1/07	12:00	7.588	4.403	2.582	3.843	3.738
9/1/07	16:00	7.632	4.525	2.706	3.946	4.088

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
9/1/07	20:00	7.662	4.546	2.638	3.906	4.057
9/2/07	0:00	7.667	4.485	2.526	3.841	3.845
9/2/07	4:00	7.66	4.448	2.484	3.804	3.721
9/2/07	8:00	7.66	4.434	2.475	3.794	3.651
9/2/07	12:00	7.693	4.534	2.605	3.89	3.957
9/2/07	16:00	7.739	4.676	2.743	4.006	4.307
9/2/07	20:00	7.772	4.681	2.668	3.964	4.281
9/3/07	0:00	7.77	4.606	2.554	3.895	4.064
9/3/07	4:00	7.758	4.555	2.507	3.857	3.917
9/3/07	8:00	7.753	4.529	2.493	3.839	3.822
9/3/07	12:00	7.784	4.63	2.619	3.934	4.097
9/3/07	16:00	7.83	4.779	2.78	4.055	4.421
9/3/07	20:00	7.856	4.777	2.699	4.009	4.407
9/4/07	0:00	7.84	4.676	2.566	3.92	4.19
9/4/07	4:00	7.819	4.618	2.514	3.871	4.032
9/4/07	8:00	7.805	4.583	2.496	3.853	3.927
9/4/07	12:00	7.833	4.679	2.626	3.939	4.165
9/4/07	16:00	7.886	4.837	2.78	4.072	4.482
9/4/07	20:00	7.907	4.821	2.689	4.018	4.456
9/5/07	0:00	7.886	4.718	2.559	3.925	4.256
9/5/07	4:00	7.863	4.651	2.503	3.874	4.099
9/5/07	8:00	7.844	4.613	2.482	3.848	3.98
9/5/07	12:00	7.837	4.613	2.519	3.862	3.99
9/5/07	16:00	7.877	4.753	2.673	3.988	4.302
9/5/07	20:00	7.91	4.788	2.643	3.981	4.37
9/6/07	0:00	7.898	4.707	2.535	3.911	4.183
9/6/07	4:00	7.87	4.646	2.489	3.862	4.039
9/6/07	8:00	7.851	4.606	2.468	3.836	3.931
9/6/07	12:00	7.851	4.637	2.538	3.885	4.029
9/6/07	16:00	7.889	4.767	2.664	3.995	4.319
9/6/07	20:00	7.9	4.742	2.57	3.934	4.265
9/7/07	0:00	7.809	4.245	2.421	3.734	3.376
9/7/07	4:00	7.77	4.329	2.442	3.771	3.434
9/7/07	8:00	7.758	4.378	2.454	3.794	3.467
9/7/07	12:00	7.77	4.452	2.533	3.864	3.632
9/7/07	16:00	7.802	4.576	2.65	3.969	3.969
9/7/07	20:00	7.828	4.611	2.594	3.955	3.952
9/8/07	0:00	7.814	4.557	2.507	3.897	3.784
9/8/07	4:00	7.793	4.52	2.479	3.86	3.691
9/8/07	8:00	7.777	4.501	2.47	3.846	3.635
9/8/07	12:00	7.786	4.557	2.596	3.913	3.835
9/8/07	16:00	7.828	4.674	2.698	4.006	4.158
9/8/07	20:00	7.849	4.669	2.617	3.967	4.078
9/9/07	0:00	7.847	4.618	2.54	3.925	3.915
9/9/07	4:00	7.837	4.585	2.514	3.908	3.817
9/9/07	8:00	7.835	4.574	2.514	3.913	3.763
9/9/07	12:00	7.833	4.574	2.528	3.929	3.754
9/9/07	16:00	7.833	4.602	2.568	3.96	3.852
9/9/07	20:00	7.837	4.618	2.566	3.96	3.884
9/10/07	0:00	7.833	4.581	2.519	3.929	3.791
9/10/07	4:00	7.816	4.553	2.5	3.901	3.719
9/10/07	8:00	7.809	4.539	2.5	3.894	3.681
9/10/07	12:00	7.798	4.515	2.472	3.871	3.63
9/10/07	16:00	7.782	4.478	2.454	3.848	3.56
9/10/07	20:00	7.772	4.485	2.491	3.867	3.562
9/11/07	0:00	7.763	4.473	2.477	3.853	3.525
9/11/07	4:00	7.749	4.457	2.472	3.836	3.492
9/11/07	8:00	7.737	4.45	2.472	3.827	3.481
9/11/07	12:00	7.763	4.522	2.575	3.911	3.649
9/11/07	16:00	7.802	4.639	2.68	4.011	3.964
9/11/07	20:00	7.833	4.658	2.621	3.992	3.987

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
9/12/07	0:00	7.826	4.595	2.538	3.929	3.81
9/12/07	4:00	7.809	4.55	2.51	3.899	3.714
9/12/07	8:00	7.796	4.529	2.507	3.887	3.656
9/12/07	12:00	7.805	4.578	2.603	3.946	3.852
9/12/07	16:00	7.837	4.69	2.703	4.032	4.164
9/12/07	20:00	7.858	4.702	2.642	3.997	4.185
9/13/07	0:00	7.847	4.637	2.552	3.934	3.996
9/13/07	4:00	7.826	4.588	2.514	3.894	3.868
9/13/07	8:00	7.809	4.553	2.491	3.869	3.784
9/13/07	12:00	7.83	4.637	2.603	3.955	4.029
9/13/07	16:00	7.879	4.744	2.717	4.043	4.26
9/13/07	20:00	7.896	4.735	2.631	4.02	4.195
9/14/07	0:00	7.896	4.683	2.573	3.983	4.027
9/14/07	4:00	7.886	4.644	2.547	3.96	3.91
9/14/07	8:00	7.884	4.625	2.542	3.96	3.835
9/14/07	12:00	7.889	4.648	2.61	4.011	3.933
9/14/07	16:00	7.912	4.725	2.673	4.069	4.162
9/14/07	20:00	7.921	4.732	2.64	4.055	4.153
9/15/07	0:00	7.912	4.674	2.577	4.006	3.973
9/15/07	4:00	7.893	4.63	2.556	3.981	3.863
9/15/07	8:00	7.875	4.604	2.549	3.967	3.791
9/15/07	12:00	7.87	4.606	2.582	3.981	3.868
9/15/07	16:00	7.868	4.643	2.598	3.99	4.022
9/15/07	20:00	7.863	4.634	2.57	3.969	3.973
9/16/07	0:00	7.849	4.599	2.537	3.941	3.859
9/16/07	4:00	7.833	4.562	2.514	3.908	3.758
9/16/07	8:00	7.823	4.543	2.512	3.894	3.705
9/16/07	12:00	7.826	4.58	2.582	3.939	3.854
9/16/07	16:00	7.847	4.665	2.631	3.978	4.099
9/16/07	20:00	7.863	4.662	2.572	3.95	4.052
9/17/07	0:00	7.84	4.599	2.517	3.897	3.88
9/17/07	4:00	7.826	4.562	2.498	3.873	3.789
9/17/07	8:00	7.821	4.557	2.505	3.878	3.777
9/17/07	12:00	7.849	4.655	2.619	3.964	4.099
9/17/07	16:00	7.9	4.788	2.724	4.057	4.386
9/17/07	20:00	7.926	4.798	2.663	4.041	4.398
9/18/07	0:00	7.924	4.734	2.591	3.999	4.241
9/18/07	4:00	7.903	4.664	2.512	3.936	4.08
9/18/07	8:00	7.854	4.242	2.398	3.748	3.382
9/18/07	12:00	7.756	4.146	2.421	3.724	3.009
9/18/07	16:00	7.686	3.976	2.395	3.664	2.764
9/18/07	20:00	7.537	3.194	2.356	3.568	2.566
9/19/07	0:00	7.192	3.376	2.363	3.359	2.465
9/19/07	4:00	7.038	3.556	2.391	3.48	2.554
9/19/07	8:00	6.973	3.659	2.421	3.599	2.626
9/19/07	12:00	6.943	3.712	2.43	3.643	2.68
9/19/07	16:00	6.936	3.792	2.51	3.715	2.857
9/19/07	20:00	6.949	3.848	2.496	3.741	2.979
9/20/07	0:00	6.954	3.85	2.454	3.727	2.974
9/20/07	4:00	6.963	3.855	2.444	3.72	2.986
9/20/07	8:00	6.97	3.857	2.437	3.72	2.997
9/20/07	12:00	6.996	3.913	2.507	3.766	3.175
9/20/07	16:00	7.045	4.048	2.603	3.836	3.62
9/20/07	20:00	7.085	4.09	2.554	3.82	3.686
9/21/07	0:00	7.108	4.062	2.498	3.794	3.504
9/21/07	4:00	7.11	4.037	2.47	3.771	3.42
9/21/07	8:00	7.12	4.03	2.463	3.762	3.373
9/21/07	12:00	7.15	4.109	2.544	3.822	3.618
9/21/07	16:00	7.213	4.216	2.612	3.885	3.877
9/21/07	20:00	7.245	4.228	2.577	3.873	3.821
9/22/07	0:00	7.264	4.191	2.523	3.857	3.658

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
9/22/07	4:00	7.273	4.163	2.5	3.843	3.562
9/22/07	8:00	7.283	4.153	2.498	3.845	3.508
9/22/07	12:00	7.301	4.202	2.591	3.894	3.69
9/22/07	16:00	7.329	4.296	2.663	3.929	4.02
9/22/07	20:00	7.35	4.303	2.605	3.904	3.991
9/23/07	0:00	7.35	4.249	2.533	3.862	3.795
9/23/07	4:00	7.35	4.219	2.502	3.841	3.686
9/23/07	8:00	7.353	4.2	2.491	3.834	3.613
9/23/07	12:00	7.371	4.254	2.556	3.871	3.774
9/23/07	16:00	7.402	4.37	2.654	3.918	4.162
9/23/07	20:00	7.427	4.38	2.596	3.885	4.141
9/24/07	0:00	7.423	4.312	2.519	3.838	3.921
9/24/07	4:00	7.418	4.272	2.486	3.815	3.779
9/24/07	8:00	7.409	4.24	2.463	3.794	3.679
9/24/07	12:00	7.42	4.277	2.516	3.822	3.805
9/24/07	16:00	7.46	4.396	2.593	3.862	4.162
9/24/07	20:00	7.483	4.412	2.554	3.852	4.171
9/25/07	0:00	7.446	3.95	2.416	3.666	3.252
9/25/07	4:00	7.25	3.518	2.367	3.422	2.65
9/25/07	8:00	7.18	3.668	2.395	3.524	2.684
9/25/07	12:00	7.136	3.782	2.442	3.594	2.836
9/25/07	16:00	7.099	3.869	2.467	3.629	3.049
9/25/07	20:00	7.085	3.918	2.46	3.647	3.135
9/26/07	0:00	7.073	3.922	2.444	3.666	3.116
9/26/07	4:00	7.057	3.911	2.437	3.666	3.109
9/26/07	8:00	7.052	3.918	2.444	3.682	3.116
9/26/07	12:00	7.057	3.948	2.486	3.708	3.261
9/26/07	16:00	7.08	4.032	2.535	3.727	3.583
9/26/07	20:00	7.106	4.051	2.495	3.717	3.583
9/27/07	0:00	7.108	4.02	2.463	3.713	3.45
9/27/07	4:00	7.115	4.002	2.449	3.71	3.38
9/27/07	8:00	7.122	3.997	2.453	3.722	3.343
9/27/07	12:00	7.157	4.065	2.533	3.769	3.536
9/27/07	16:00	7.201	4.177	2.61	3.801	3.924
9/27/07	20:00	7.238	4.191	2.558	3.794	3.87
9/28/07	0:00	7.248	4.144	2.505	3.787	3.676
9/28/07	4:00	7.248	4.109	2.486	3.782	3.574
9/28/07	8:00	7.252	4.095	2.488	3.789	3.511
9/28/07	12:00	7.266	4.135	2.554	3.817	3.693
9/28/07	16:00	7.283	4.228	2.612	3.817	4.043
9/28/07	20:00	7.304	4.233	2.563	3.796	4.003
9/29/07	0:00	7.313	4.2	2.519	3.785	3.84
9/29/07	4:00	7.308	4.17	2.491	3.771	3.739
9/29/07	8:00	7.313	4.156	2.481	3.769	3.676
9/29/07	12:00	7.332	4.212	2.533	3.792	3.87
9/29/07	16:00	7.355	4.289	2.584	3.803	4.12
9/29/07	20:00	7.374	4.289	2.544	3.789	4.087
9/30/07	0:00	7.381	4.261	2.512	3.785	3.933
9/30/07	4:00	7.376	4.228	2.484	3.766	3.821
9/30/07	8:00	7.367	4.195	2.465	3.75	3.735
9/30/07	12:00	7.376	4.221	2.495	3.766	3.814
9/30/07	16:00	7.409	4.333	2.593	3.813	4.19
9/30/07	20:00	7.437	4.319	2.54	3.82	4.019
10/1/07	0:00	7.453	4.298	2.516	3.829	3.896
10/1/07	4:00	7.458	4.272	2.502	3.831	3.795
10/1/07	8:00	7.46	4.254	2.498	3.834	3.716
10/1/07	12:00	7.462	4.265	2.528	3.845	3.798
10/1/07	16:00	7.474	4.345	2.577	3.843	4.124
10/1/07	20:00	7.479	4.338	2.535	3.815	4.113
10/2/07	0:00	7.469	4.286	2.498	3.794	3.947
10/2/07	4:00	7.448	4.249	2.474	3.766	3.84

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/2/07	8:00	7.432	4.144	2.416	3.708	3.7
10/2/07	12:00	7.301	3.544	2.353	3.473	2.759
10/2/07	16:00	7.287	3.843	2.477	3.596	3.174
10/2/07	20:00	7.297	3.974	2.467	3.638	3.317
10/3/07	0:00	7.29	4.002	2.451	3.659	3.275
10/3/07	4:00	7.276	4.009	2.444	3.668	3.27
10/3/07	8:00	7.269	4.018	2.451	3.687	3.275
10/3/07	12:00	7.273	4.065	2.505	3.717	3.497
10/3/07	16:00	7.285	4.144	2.544	3.722	3.837
10/3/07	20:00	7.292	4.146	2.505	3.708	3.795
10/4/07	0:00	7.29	4.114	2.47	3.706	3.639
10/4/07	4:00	7.276	4.086	2.458	3.701	3.553
10/4/07	8:00	7.271	4.072	2.458	3.708	3.492
10/4/07	12:00	7.273	4.067	2.456	3.715	3.462
10/4/07	16:00	7.273	4.109	2.502	3.727	3.637
10/4/07	20:00	7.292	4.125	2.493	3.722	3.702
10/5/07	0:00	7.299	4.107	2.47	3.722	3.606
10/5/07	4:00	7.287	3.955	2.423	3.687	3.398
10/5/07	8:00	7.227	3.712	2.393	3.601	2.88
10/5/07	12:00	7.204	3.808	2.439	3.629	3.02
10/5/07	16:00	7.213	3.955	2.505	3.661	3.469
10/5/07	20:00	7.236	4.022	2.495	3.675	3.585
10/6/07	0:00	7.241	4.02	2.463	3.682	3.475
10/6/07	4:00	7.231	3.999	2.442	3.678	3.405
10/6/07	8:00	7.224	3.99	2.439	3.685	3.366
10/6/07	12:00	7.229	4.022	2.472	3.706	3.487
10/6/07	16:00	7.248	4.104	2.523	3.717	3.819
10/6/07	20:00	7.262	4.109	2.5	3.71	3.795
10/7/07	0:00	7.255	4.065	2.456	3.696	3.627
10/7/07	4:00	7.252	4.039	2.446	3.701	3.538
10/7/07	8:00	7.248	4.025	2.444	3.706	3.48
10/7/07	12:00	7.255	4.041	2.456	3.724	3.522
10/7/07	16:00	7.276	4.109	2.493	3.738	3.753
10/7/07	20:00	7.29	4.1	2.472	3.736	3.676
10/8/07	0:00	7.255	3.749	2.411	3.638	3.179
10/8/07	4:00	6.826	2.951	2.286	3.198	2.407
10/8/07	8:00	6.619	3.157	2.33	3.237	2.47
10/8/07	12:00	6.507	3.283	2.36	3.324	2.584
10/8/07	16:00	6.46	3.413	2.423	3.396	2.913
10/8/07	20:00	6.46	3.474	2.416	3.44	3.02
10/9/07	0:00	6.474	3.488	2.404	3.482	2.999
10/9/07	4:00	6.486	3.497	2.409	3.512	3.009
10/9/07	8:00	6.516	3.521	2.418	3.545	3.039
10/9/07	12:00	6.558	3.572	2.463	3.591	3.202
10/9/07	16:00	6.598	3.647	2.502	3.61	3.475
10/9/07	20:00	6.635	3.656	2.47	3.615	3.44
10/10/07	0:00	6.658	3.635	2.442	3.622	3.324
10/10/07	4:00	6.679	3.633	2.439	3.629	3.268
10/10/07	8:00	6.698	3.642	2.437	3.64	3.235
10/10/07	12:00	6.726	3.67	2.463	3.661	3.284
10/10/07	16:00	6.744	3.7	2.479	3.659	3.454
10/10/07	20:00	6.768	3.705	2.472	3.661	3.45
10/11/07	0:00	6.786	3.696	2.453	3.664	3.356
10/11/07	4:00	6.805	3.696	2.453	3.673	3.307
10/11/07	8:00	6.821	3.703	2.456	3.68	3.275
10/11/07	12:00	6.835	3.703	2.463	3.682	3.258
10/11/07	16:00	6.842	3.738	2.474	3.666	3.426
10/11/07	20:00	6.861	3.749	2.472	3.671	3.431
10/12/07	0:00	6.88	3.747	2.463	3.675	3.361
10/12/07	4:00	6.891	3.745	2.46	3.673	3.321
10/12/07	8:00	6.901	3.747	2.458	3.678	3.286

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/12/07	12:00	6.919	3.77	2.474	3.685	3.37
10/12/07	16:00	6.931	3.805	2.488	3.675	3.536
10/12/07	20:00	6.949	3.817	2.477	3.675	3.508
10/13/07	0:00	6.733	3.08	2.356	3.377	2.518
10/13/07	4:00	6.623	3.005	2.344	3.356	2.409
10/13/07	8:00	6.467	2.967	2.339	3.286	2.383
10/13/07	12:00	6.386	3.089	2.36	3.333	2.465
10/13/07	16:00	6.358	3.171	2.386	3.377	2.556
10/13/07	20:00	6.367	3.227	2.388	3.393	2.588
10/14/07	0:00	6.383	3.264	2.393	3.445	2.626
10/14/07	4:00	6.386	3.031	2.381	3.445	2.504
10/14/07	8:00	6.318	2.958	2.365	3.393	2.388
10/14/07	12:00	6.26	2.995	2.351	3.342	2.411
10/14/07	16:00	6.199	2.795	2.337	3.356	2.341
10/14/07	20:00	5.856	2.601	2.283	3.198	2.248
10/15/07	0:00	5.246	2.452	2.274	3.014	2.229
10/15/07	4:00	5.108	2.489	2.304	3.151	2.262
10/15/07	8:00	5.141	2.524	2.33	3.189	2.304
10/15/07	12:00	5.211	2.825	2.349	3.282	2.353
10/15/07	16:00	5.285	2.638	2.358	3.321	2.397
10/15/07	20:00	5.376	2.41	2.372	3.37	2.444
10/16/07	0:00	5.435	2.342	2.358	3.384	2.367
10/16/07	4:00	5.479	2.466	2.372	3.41	2.404
10/16/07	8:00	5.537	2.529	2.39	3.445	2.453
10/16/07	12:00	5.598	2.806	2.4	3.473	2.5
10/16/07	16:00	5.644	2.818	2.409	3.487	2.595
10/16/07	20:00	5.698	2.853	2.409	3.501	2.642
10/17/07	0:00	5.74	2.865	2.404	3.508	2.644
10/17/07	4:00	5.766	2.869	2.397	3.501	2.647
10/17/07	8:00	5.801	2.893	2.402	3.51	2.651
10/17/07	12:00	5.593	2.571	2.342	3.365	2.315
10/17/07	16:00	5.248	2.386	2.314	3.223	2.215
10/17/07	20:00	5.216	2.461	2.33	3.235	2.297
10/18/07	0:00	5.285	2.571	2.337	3.272	2.348
10/18/07	4:00	5.339	2.636	2.339	3.291	2.374
10/18/07	8:00	5.414	2.599	2.349	3.324	2.404
10/18/07	12:00	5.5	2.655	2.358	3.326	2.411
10/18/07	16:00	5.574	2.503	2.358	3.386	2.404
10/18/07	20:00	5.647	2.522	2.379	3.368	2.441
10/19/07	0:00	5.7	2.592	2.383	3.447	2.467
10/19/07	4:00	5.745	2.526	2.395	3.466	2.507
10/19/07	8:00	5.794	2.68	2.407	3.491	2.549
10/19/07	12:00	5.849	2.937	2.439	3.531	2.679
10/19/07	16:00	5.894	3.005	2.465	3.54	2.918
10/19/07	20:00	5.933	3.024	2.444	3.538	2.962
10/20/07	0:00	5.961	3.026	2.423	3.538	2.932
10/20/07	4:00	5.982	3.031	2.421	3.538	2.915
10/20/07	8:00	6.013	3.052	2.418	3.545	2.906
10/20/07	12:00	6.043	3.103	2.451	3.559	3.123
10/20/07	16:00	6.066	3.166	2.495	3.547	3.412
10/20/07	20:00	6.11	3.187	2.46	3.545	3.382
10/21/07	0:00	6.124	3.161	2.421	3.531	3.228
10/21/07	4:00	6.152	3.173	2.416	3.535	3.149
10/21/07	8:00	6.206	3.227	2.444	3.589	3.125
10/21/07	12:00	6.257	3.278	2.474	3.624	3.214
10/21/07	16:00	6.311	3.332	2.505	3.664	3.342
10/21/07	20:00	6.355	3.357	2.505	3.689	3.326
10/22/07	0:00	6.376	3.353	2.491	3.687	3.272
10/22/07	4:00	6.413	3.374	2.495	3.708	3.235
10/22/07	8:00	6.434	3.383	2.498	3.715	3.205
10/22/07	12:00	6.46	3.404	2.509	3.726	3.223

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
10/22/07	16:00	6.469	3.427	2.526	3.712	3.412
10/22/07	20:00	6.495	3.441	2.514	3.715	3.389
10/23/07	0:00	6.507	3.434	2.491	3.703	3.298
10/23/07	4:00	6.516	3.437	2.488	3.696	3.24
10/23/07	8:00	6.532	3.448	2.493	3.705	3.205
10/23/07	12:00	6.556	3.472	2.509	3.719	3.247
10/23/07	16:00	6.572	3.516	2.528	3.712	3.461
10/23/07	20:00	6.602	3.535	2.526	3.719	3.457
10/24/07	0:00	6.633	3.549	2.521	3.738	3.398
10/24/07	4:00	6.663	3.563	2.526	3.754	3.373
10/24/07	8:00	6.684	3.57	2.526	3.766	3.324
10/24/07	12:00	6.705	3.591	2.549	3.785	3.377
10/24/07	16:00	6.714	3.612	2.551	3.766	3.529
10/24/07	20:00	6.73	3.616	2.535	3.764	3.475
10/25/07	0:00	6.74	3.607	2.521	3.759	3.384
10/25/07	4:00	6.747	3.605	2.516	3.754	3.321
10/25/07	8:00	6.756	3.609	2.514	3.754	3.284
10/25/07	12:00	6.77	3.626	2.526	3.761	3.319
10/25/07	16:00	6.77	3.649	2.533	3.738	3.473
10/25/07	20:00	6.789	3.654	2.526	3.736	3.454
10/26/07	0:00	6.8	3.649	2.514	3.736	3.375
10/26/07	4:00	6.807	3.649	2.509	3.733	3.319
10/26/07	8:00	6.819	3.654	2.512	3.743	3.277
10/26/07	12:00	6.835	3.661	2.521	3.757	3.265
10/26/07	16:00	6.847	3.686	2.533	3.757	3.361
10/26/07	20:00	6.868	3.698	2.53	3.768	3.354
10/27/07	0:00	6.887	3.705	2.53	3.782	3.326
10/27/07	4:00	6.905	3.717	2.54	3.799	3.3
10/27/07	8:00	6.924	3.731	2.547	3.815	3.286
10/27/07	12:00	6.947	3.759	2.577	3.843	3.373
10/27/07	16:00	6.959	3.784	2.589	3.843	3.534
10/27/07	20:00	6.97	3.784	2.575	3.84	3.494
10/28/07	0:00	6.98	3.78	2.565	3.843	3.426
10/28/07	4:00	6.987	3.777	2.563	3.845	3.382
10/28/07	8:00	6.991	3.78	2.565	3.847	3.344
10/28/07	12:00	7.001	3.787	2.575	3.85	3.375
10/28/07	16:00	6.998	3.803	2.575	3.829	3.487
10/28/07	20:00	7.008	3.808	2.568	3.824	3.487
10/29/07	0:00	7.015	3.798	2.558	3.817	3.419
10/29/07	4:00	7.015	3.791	2.549	3.813	3.37
10/29/07	8:00	7.019	3.789	2.547	3.808	3.337
10/29/07	12:00	7.026	3.808	2.561	3.815	3.375
10/29/07	16:00	7.031	3.831	2.568	3.801	3.552
10/29/07	20:00	7.036	3.829	2.544	3.782	3.529
10/30/07	0:00	7.038	3.812	2.53	3.773	3.452
10/30/07	4:00	7.033	3.796	2.516	3.764	3.391
10/30/07	8:00	7.036	3.791	2.514	3.757	3.356
10/30/07	12:00	7.038	3.808	2.523	3.757	3.407
10/30/07	16:00	7.038	3.831	2.526	3.738	3.559
10/30/07	20:00	7.047	3.84	2.516	3.736	3.557
10/31/07	0:00	7.059	3.838	2.509	3.74	3.496
10/31/07	4:00	7.08	3.852	2.519	3.773	3.445
10/31/07	8:00	7.101	3.871	2.53	3.806	3.438
10/31/07	12:00	7.124	3.894	2.558	3.836	3.487
10/31/07	16:00	7.131	3.913	2.561	3.836	3.592
10/31/07	20:00	7.141	3.915	2.554	3.838	3.569
11/1/07	0:00	7.145	3.903	2.544	3.838	3.494
11/1/07	4:00	7.145	3.889	2.54	3.831	3.438
11/1/07	8:00	7.143	3.882	2.54	3.829	3.391
11/1/07	12:00	7.145	3.887	2.549	3.829	3.384
11/1/07	16:00	7.129	3.887	2.54	3.799	3.435

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/1/07	20:00	7.131	3.889	2.533	3.789	3.44
11/2/07	0:00	7.145	3.887	2.53	3.796	3.4
11/2/07	4:00	7.143	3.882	2.528	3.792	3.368
11/2/07	8:00	7.152	3.892	2.54	3.808	3.354
11/2/07	12:00	7.171	3.917	2.561	3.838	3.361
11/2/07	16:00	7.18	3.938	2.572	3.847	3.435
11/2/07	20:00	7.194	3.943	2.575	3.857	3.449
11/3/07	0:00	7.201	3.936	2.568	3.859	3.41
11/3/07	4:00	7.201	3.924	2.565	3.854	3.37
11/3/07	8:00	7.201	3.92	2.563	3.852	3.34
11/3/07	12:00	7.194	3.91	2.561	3.84	3.323
11/3/07	16:00	7.169	3.908	2.549	3.81	3.365
11/3/07	20:00	7.176	3.915	2.554	3.81	3.382
11/4/07	0:00	7.189	3.917	2.549	3.815	3.358
11/4/07	4:00	7.196	3.917	2.549	3.822	3.333
11/4/07	8:00	7.196	3.91	2.547	3.815	3.309
11/4/07	12:00	7.192	3.91	2.547	3.806	3.307
11/4/07	16:00	7.173	3.913	2.54	3.782	3.377
11/4/07	20:00	7.171	3.908	2.528	3.766	3.384
11/5/07	0:00	7.18	3.906	2.528	3.771	3.354
11/5/07	4:00	7.189	3.91	2.533	3.782	3.326
11/5/07	8:00	7.229	3.957	2.568	3.843	3.344
11/5/07	12:00	7.245	3.973	2.579	3.871	3.372
11/5/07	16:00	7.255	3.981	2.582	3.873	3.421
11/5/07	20:00	7.266	3.995	2.593	3.889	3.445
11/6/07	0:00	7.278	3.997	2.596	3.903	3.431
11/6/07	4:00	7.285	3.99	2.593	3.903	3.4
11/6/07	8:00	7.287	3.992	2.6	3.915	3.379
11/6/07	12:00	7.294	3.995	2.607	3.922	3.365
11/6/07	16:00	7.283	3.983	2.596	3.901	3.354
11/6/07	20:00	7.283	3.981	2.598	3.896	3.356
11/7/07	0:00	7.285	3.976	2.596	3.896	3.337
11/7/07	4:00	7.276	3.967	2.596	3.892	3.319
11/7/07	8:00	7.266	3.955	2.589	3.875	3.298
11/7/07	12:00	7.25	3.932	2.573	3.847	3.277
11/7/07	16:00	7.229	3.932	2.57	3.826	3.279
11/7/07	20:00	7.231	3.934	2.57	3.822	3.293
11/8/07	0:00	7.245	3.946	2.575	3.831	3.293
11/8/07	4:00	7.255	3.95	2.575	3.84	3.288
11/8/07	8:00	7.259	3.955	2.575	3.84	3.284
11/8/07	12:00	7.269	3.96	2.575	3.843	3.281
11/8/07	16:00	7.264	3.96	2.57	3.831	3.291
11/8/07	20:00	7.273	3.967	2.575	3.84	3.307
11/9/07	0:00	7.28	3.969	2.575	3.845	3.305
11/9/07	4:00	7.29	3.976	2.58	3.854	3.302
11/9/07	8:00	7.301	3.988	2.591	3.878	3.309
11/9/07	12:00	7.308	3.992	2.596	3.885	3.307
11/9/07	16:00	7.304	3.988	2.587	3.873	3.307
11/9/07	20:00	7.306	3.983	2.589	3.871	3.312
11/10/07	0:00	7.306	3.981	2.584	3.868	3.307
11/10/07	4:00	7.301	3.974	2.582	3.866	3.293
11/10/07	8:00	7.294	3.967	2.582	3.859	3.284
11/10/07	12:00	7.285	3.96	2.577	3.845	3.277
11/10/07	16:00	7.262	3.946	2.563	3.815	3.279
11/10/07	20:00	7.264	3.946	2.559	3.812	3.288
11/11/07	0:00	7.266	3.939	2.552	3.803	3.274
11/11/07	4:00	7.266	3.941	2.549	3.803	3.265
11/11/07	8:00	7.273	3.946	2.549	3.808	3.26
11/11/07	12:00	7.28	3.946	2.545	3.808	3.253
11/11/07	16:00	7.273	3.941	2.538	3.799	3.251
11/11/07	20:00	7.297	3.964	2.552	3.824	3.277

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/12/07	0:00	7.315	3.981	2.559	3.845	3.293
11/12/07	4:00	7.327	3.992	2.566	3.866	3.307
11/12/07	8:00	7.339	4.004	2.575	3.887	3.319
11/12/07	12:00	7.35	4.016	2.577	3.903	3.33
11/12/07	16:00	7.348	4.016	2.575	3.894	3.347
11/12/07	20:00	7.35	4.016	2.577	3.896	3.358
11/13/07	0:00	7.341	3.997	2.561	3.878	3.34
11/13/07	4:00	7.325	3.981	2.556	3.861	3.321
11/13/07	8:00	7.311	3.969	2.549	3.847	3.3
11/13/07	12:00	7.294	3.957	2.545	3.826	3.281
11/13/07	16:00	7.273	3.948	2.528	3.796	3.288
11/13/07	20:00	7.28	3.967	2.542	3.806	3.319
11/14/07	0:00	7.315	3.997	2.554	3.84	3.34
11/14/07	4:00	7.334	4.009	2.559	3.857	3.342
11/14/07	8:00	7.355	4.023	2.57	3.88	3.349
11/14/07	12:00	7.36	4.034	2.575	3.889	3.363
11/14/07	16:00	7.364	4.039	2.575	3.894	3.379
11/14/07	20:00	7.378	4.055	2.591	3.917	3.407
11/15/07	0:00	7.39	4.055	2.594	3.929	3.405
11/15/07	4:00	7.392	4.051	2.596	3.934	3.391
11/15/07	8:00	7.395	4.051	2.601	3.941	3.38
11/15/07	12:00	7.397	4.051	2.598	3.938	3.37
11/15/07	16:00	7.371	4.03	2.584	3.906	3.349
11/15/07	20:00	7.357	4.013	2.577	3.887	3.342
11/16/07	0:00	7.343	3.997	2.57	3.866	3.323
11/16/07	4:00	7.322	3.981	2.561	3.847	3.305
11/16/07	8:00	7.315	3.983	2.563	3.84	3.298
11/16/07	12:00	7.318	3.988	2.559	3.836	3.298
11/16/07	16:00	7.318	3.997	2.561	3.836	3.309
11/16/07	20:00	7.332	4.004	2.563	3.843	3.324
11/17/07	0:00	7.336	4.004	2.563	3.843	3.321
11/17/07	4:00	7.343	4.006	2.563	3.847	3.314
11/17/07	8:00	7.353	4.016	2.57	3.859	3.319
11/17/07	12:00	7.369	4.03	2.58	3.878	3.324
11/17/07	16:00	7.369	4.03	2.573	3.868	3.331
11/17/07	20:00	7.383	4.039	2.587	3.885	3.347
11/18/07	0:00	7.39	4.039	2.582	3.892	3.349
11/18/07	4:00	7.39	4.037	2.58	3.892	3.34
11/18/07	8:00	7.385	4.025	2.575	3.882	3.326
11/18/07	12:00	7.388	4.027	2.582	3.889	3.319
11/18/07	16:00	7.369	4.013	2.57	3.868	3.305
11/18/07	20:00	7.376	4.02	2.575	3.875	3.314
11/19/07	0:00	7.378	4.018	2.573	3.875	3.312
11/19/07	4:00	7.367	4.006	2.563	3.861	3.298
11/19/07	8:00	7.36	4.002	2.566	3.857	3.291
11/19/07	12:00	7.362	4.013	2.566	3.859	3.296
11/19/07	16:00	7.362	4.018	2.559	3.847	3.307
11/19/07	20:00	7.364	4.018	2.559	3.847	3.321
11/20/07	0:00	7.364	4.011	2.552	3.845	3.319
11/20/07	4:00	7.357	4.004	2.545	3.838	3.307
11/20/07	8:00	7.36	4.011	2.552	3.843	3.305
11/20/07	12:00	7.371	4.018	2.554	3.854	3.303
11/20/07	16:00	7.385	4.032	2.563	3.873	3.312
11/20/07	20:00	7.404	4.046	2.577	3.899	3.328
11/21/07	0:00	7.409	4.048	2.577	3.906	3.335
11/21/07	4:00	7.418	4.053	2.587	3.922	3.345
11/21/07	8:00	7.423	4.07	2.603	3.945	3.356
11/21/07	12:00	7.43	4.067	2.603	3.952	3.356
11/21/07	16:00	7.43	4.056	2.603	3.952	3.333
11/21/07	20:00	7.437	4.063	2.617	3.971	3.331
11/22/07	0:00	7.443	4.072	2.626	3.982	3.342

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
11/22/07	4:00	7.446	4.077	2.634	3.992	3.356
11/22/07	8:00	7.45	4.081	2.638	4.001	3.363
11/22/07	12:00	7.457	4.088	2.648	4.013	3.366
11/22/07	16:00	7.453	4.072	2.641	4.003	3.342
11/22/07	20:00	7.457	4.086	2.652	4.015	3.342
11/23/07	0:00	7.462	4.093	2.655	4.022	3.361
11/23/07	4:00	7.457	4.093	2.65	4.015	3.373
11/23/07	8:00	7.455	4.095	2.655	4.013	3.382
11/23/07	12:00	7.457	4.084	2.648	4.008	3.378
11/23/07	16:00	7.43	4.007	2.622	3.971	3.275
11/23/07	20:00	7.42	4.009	2.636	3.971	3.266
11/24/07	0:00	7.425	4.03	2.641	3.975	3.275
11/24/07	4:00	7.427	4.039	2.645	3.98	3.28
11/24/07	8:00	7.427	4.046	2.65	3.985	3.284
11/24/07	12:00	7.432	4.046	2.643	3.982	3.282
11/24/07	16:00	7.425	4.032	2.636	3.969	3.263
11/24/07	20:00	7.427	4.035	2.641	3.971	3.266
11/25/07	0:00	7.425	4.042	2.648	3.975	3.277
11/25/07	4:00	7.413	4.037	2.641	3.964	3.282
11/25/07	8:00	7.413	4.037	2.638	3.964	3.289
11/25/07	12:00	7.416	4.032	2.634	3.959	3.289
11/25/07	16:00	7.409	4.014	2.627	3.943	3.27
11/25/07	20:00	7.409	4.021	2.638	3.952	3.273
11/26/07	0:00	7.418	4.032	2.643	3.964	3.284
11/26/07	4:00	7.43	4.049	2.65	3.982	3.301
11/26/07	8:00	7.448	4.07	2.662	4.006	3.319
11/26/07	12:00	7.467	4.081	2.669	4.024	3.333
11/26/07	16:00	7.467	4.07	2.664	4.02	3.317
11/26/07	20:00	7.471	4.072	2.671	4.029	3.322
11/27/07	0:00	7.471	4.072	2.669	4.029	3.324
11/27/07	4:00	7.471	4.077	2.676	4.038	3.326
11/27/07	8:00	7.481	4.084	2.68	4.048	3.336
11/27/07	12:00	7.481	4.081	2.678	4.048	3.336
11/27/07	16:00	7.448	4.037	2.648	3.996	3.294
11/27/07	20:00	7.423	4.018	2.652	3.982	3.277
11/28/07	0:00	7.411	4.009	2.641	3.961	3.268
11/28/07	4:00	7.404	4.009	2.643	3.957	3.264
11/28/07	8:00	7.43	4.046	2.666	3.992	3.289
11/28/07	12:00	7.46	4.072	2.676	4.02	3.31
11/28/07	16:00	7.474	4.079	2.676	4.027	3.317
11/28/07	20:00	7.49	4.095	2.687	4.048	3.336
11/29/07	0:00	7.495	4.1	2.69	4.057	3.35
11/29/07	4:00	7.492	4.102	2.687	4.059	3.359
11/29/07	8:00	7.495	4.112	2.692	4.066	3.371
11/29/07	12:00	7.492	4.102	2.683	4.055	3.355
11/29/07	16:00	7.469	4.058	2.662	4.017	3.315
11/29/07	20:00	7.46	4.06	2.673	4.017	3.31
11/30/07	0:00	7.483	4.086	2.692	4.045	3.327
11/30/07	4:00	7.509	4.123	2.711	4.087	3.362
11/30/07	8:00	7.523	4.137	2.72	4.108	3.385
11/30/07	12:00	7.534	4.144	2.72	4.118	3.399
11/30/07	16:00	7.52	4.109	2.704	4.097	3.364
11/30/07	20:00	7.509	4.098	2.701	4.083	3.355
12/1/07	0:00	7.497	4.088	2.692	4.073	3.355
12/1/07	4:00	7.471	4.063	2.678	4.041	3.327
12/1/07	8:00	7.444	3.953	2.638	3.994	3.142
12/1/07	12:00	7.371	3.407	2.573	3.903	2.578
12/1/07	16:00	7.243	3.029	2.538	3.785	2.405
12/1/07	20:00	7.194	3.339	2.601	3.838	2.492
12/2/07	0:00	7.196	3.507	2.624	3.885	2.571
12/2/07	4:00	7.215	3.624	2.645	3.929	2.65

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
12/2/07	8:00	7.25	3.72	2.673	3.975	2.751
12/2/07	12:00	7.287	3.797	2.687	4.015	2.846
12/2/07	16:00	7.318	3.839	2.692	4.036	2.923
12/2/07	20:00	7.353	3.893	2.711	4.073	3.01
12/3/07	0:00	7.376	3.935	2.725	4.101	3.094
12/3/07	4:00	7.381	3.956	2.72	4.099	3.159
12/3/07	8:00	7.392	3.981	2.713	4.101	3.215
12/3/07	12:00	7.395	3.976	2.697	4.085	3.215
12/3/07	16:00	7.364	3.921	2.676	4.043	3.115
12/3/07	20:00	7.367	3.918	2.685	4.041	3.124
12/4/07	0:00	7.376	3.939	2.687	4.038	3.166
12/4/07	4:00	7.371	3.949	2.683	4.029	3.194
12/4/07	8:00	7.378	3.963	2.683	4.027	3.22
12/4/07	12:00	7.374	3.965	2.68	4.022	3.222
12/4/07	16:00	7.35	3.918	2.655	3.987	3.173
12/4/07	20:00	7.348	3.928	2.664	3.989	3.175
12/5/07	0:00	7.36	3.944	2.666	3.992	3.194
12/5/07	4:00	7.397	3.986	2.687	4.031	3.238
12/5/07	8:00	7.432	4.021	2.711	4.083	3.275
12/5/07	12:00	7.457	4.047	2.72	4.108	3.301
12/5/07	16:00	7.453	4.03	2.704	4.094	3.287
12/5/07	20:00	7.46	4.042	2.711	4.104	3.304
12/6/07	0:00	7.457	4.049	2.711	4.101	3.322
12/6/07	4:00	7.446	4.047	2.704	4.083	3.334
12/6/07	8:00	7.448	4.054	2.699	4.08	3.331
12/6/07	12:00	7.446	4.044	2.697	4.071	3.308
12/6/07	16:00	7.43	4.023	2.683	4.052	3.271
12/6/07	20:00	7.443	4.03	2.695	4.064	3.269
12/7/07	0:00	7.457	4.035	2.697	4.076	3.271
12/7/07	4:00	7.467	4.042	2.704	4.087	3.28
12/7/07	8:00	7.474	4.049	2.706	4.097	3.287
12/7/07	12:00	7.481	4.051	2.709	4.101	3.29
12/7/07	16:00	7.481	4.051	2.704	4.101	3.276
12/7/07	20:00	7.492	4.061	2.716	4.117	3.262
12/8/07	0:00	7.499	4.068	2.718	4.127	3.262
12/8/07	4:00	7.506	4.07	2.72	4.131	3.266
12/8/07	8:00	7.513	4.082	2.73	4.145	3.283
12/8/07	12:00	7.523	4.089	2.732	4.155	3.304
12/8/07	16:00	7.518	4.079	2.725	4.148	3.304
12/8/07	20:00	7.523	4.089	2.734	4.157	3.32
12/9/07	0:00	7.53	4.098	2.739	4.164	3.332
12/9/07	4:00	7.527	4.091	2.732	4.157	3.334
12/9/07	8:00	7.53	4.098	2.739	4.164	3.343
12/9/07	12:00	7.537	4.1	2.737	4.166	3.348
12/9/07	16:00	7.527	4.086	2.727	4.15	3.337
12/9/07	20:00	7.527	4.089	2.73	4.152	3.332
12/10/07	0:00	7.527	4.091	2.73	4.155	3.337
12/10/07	4:00	7.52	4.089	2.727	4.148	3.341
12/10/07	8:00	7.518	4.093	2.73	4.15	3.351
12/10/07	12:00	7.525	4.093	2.727	4.145	3.355
12/10/07	16:00	7.513	4.082	2.723	4.136	3.341
12/10/07	20:00	7.513	4.077	2.718	4.131	3.332
12/11/07	0:00	7.513	4.079	2.718	4.132	3.325
12/11/07	4:00	7.509	4.063	2.718	4.132	3.271
12/11/07	8:00	7.502	4.037	2.711	4.125	3.192
12/11/07	12:00	7.518	4.049	2.716	4.141	3.185
12/11/07	16:00	7.511	4.054	2.72	4.143	3.173
12/11/07	20:00	7.53	4.068	2.732	4.166	3.187
12/12/07	0:00	7.532	4.07	2.727	4.164	3.208
12/12/07	4:00	7.537	4.077	2.73	4.169	3.234
12/12/07	8:00	7.539	4.079	2.73	4.166	3.255

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
12/12/07	12:00	7.541	4.086	2.734	4.171	3.274
12/12/07	16:00	7.516	4.063	2.716	4.139	3.264
12/12/07	20:00	7.509	4.058	2.716	4.129	3.257
12/13/07	0:00	7.509	4.058	2.716	4.125	3.26
12/13/07	4:00	7.499	4.056	2.709	4.115	3.262
12/13/07	8:00	7.511	4.077	2.72	4.132	3.285
12/13/07	12:00	7.537	4.098	2.727	4.155	3.313
12/13/07	16:00	7.534	4.091	2.713	4.145	3.304
12/13/07	20:00	7.544	4.086	2.723	4.157	3.276
12/14/07	0:00	7.551	4.098	2.73	4.169	3.288
12/14/07	4:00	7.555	4.107	2.737	4.18	3.316
12/14/07	8:00	7.56	4.117	2.739	4.187	3.337
12/14/07	12:00	7.567	4.126	2.739	4.192	3.358
12/14/07	16:00	7.555	4.105	2.725	4.176	3.339
12/14/07	20:00	7.56	4.112	2.734	4.183	3.339
12/15/07	0:00	7.56	4.11	2.73	4.178	3.344
12/15/07	4:00	7.555	4.11	2.734	4.178	3.346
12/15/07	8:00	7.544	4.096	2.725	4.157	3.337
12/15/07	12:00	7.546	4.103	2.725	4.162	3.339
12/15/07	16:00	7.53	4.082	2.713	4.141	3.32
12/15/07	20:00	7.534	4.091	2.718	4.145	3.323
12/16/07	0:00	7.537	4.093	2.72	4.148	3.325
12/16/07	4:00	7.541	4.1	2.725	4.155	3.337
12/16/07	8:00	7.548	4.107	2.723	4.159	3.348
12/16/07	12:00	7.56	4.117	2.727	4.171	3.36
12/16/07	16:00	7.56	4.114	2.727	4.169	3.358
12/16/07	20:00	7.562	4.117	2.727	4.171	3.358
12/17/07	0:00	7.567	4.121	2.727	4.173	3.36
12/17/07	4:00	7.565	4.119	2.725	4.169	3.362
12/17/07	8:00	7.562	4.117	2.725	4.166	3.362
12/17/07	12:00	7.565	4.119	2.723	4.166	3.365
12/17/07	16:00	7.544	4.096	2.711	4.143	3.341
12/17/07	20:00	7.539	4.096	2.718	4.143	3.334
12/18/07	0:00	7.534	4.086	2.706	4.129	3.32
12/18/07	4:00	7.53	4.082	2.709	4.125	3.313
12/18/07	8:00	7.534	4.093	2.713	4.134	3.318
12/18/07	12:00	7.558	4.117	2.723	4.157	3.339
12/18/07	16:00	7.558	4.114	2.718	4.155	3.337
12/18/07	20:00	7.572	4.124	2.727	4.171	3.334
12/19/07	0:00	7.574	4.124	2.727	4.176	3.325
12/19/07	4:00	7.576	4.119	2.725	4.173	3.323
12/19/07	8:00	7.569	4.115	2.72	4.166	3.325
12/19/07	12:00	7.576	4.121	2.725	4.173	3.339
12/19/07	16:00	7.553	4.098	2.709	4.145	3.318
12/19/07	20:00	7.546	4.093	2.706	4.139	3.302
12/20/07	0:00	7.541	4.091	2.706	4.134	3.283
12/20/07	4:00	7.534	4.084	2.704	4.129	3.276
12/20/07	8:00	7.537	4.093	2.713	4.136	3.288
12/20/07	12:00	7.548	4.107	2.716	4.145	3.311
12/20/07	16:00	7.544	4.098	2.704	4.136	3.307
12/20/07	20:00	7.546	4.103	2.709	4.139	3.302
12/21/07	0:00	7.546	4.101	2.706	4.134	3.299
12/21/07	4:00	7.548	4.105	2.709	4.136	3.306
12/21/07	8:00	7.541	4.101	2.711	4.134	3.309
12/21/07	12:00	7.544	4.103	2.706	4.132	3.316
12/21/07	16:00	7.525	4.077	2.69	4.108	3.285
12/21/07	20:00	7.532	4.073	2.692	4.12	3.255
12/22/07	0:00	7.544	4.075	2.702	4.134	3.232
12/22/07	4:00	7.567	4.096	2.716	4.164	3.22
12/22/07	8:00	7.576	4.101	2.72	4.18	3.202
12/22/07	12:00	7.586	4.112	2.73	4.192	3.211

TABLE S1.4 (Cont.)

Date	Time	Depth to Water (feet below top of casing) in Indicated Well				
		PMW4	PMW5	PMW6	PMW7	PMW8
12/22/07	16:00	7.565	4.091	2.716	4.171	3.213
12/22/07	20:00	7.567	4.101	2.72	4.178	3.239
12/23/07	0:00	7.56	4.101	2.72	4.171	3.26
12/23/07	4:00	7.565	4.115	2.725	4.18	3.3
12/23/07	8:00	7.572	4.129	2.725	4.185	3.335
12/23/07	12:00	7.581	4.145	2.73	4.199	3.374
12/23/07	16:00	7.588	4.147	2.725	4.199	3.363
12/23/07	20:00	7.6	4.154	2.735	4.213	3.365
12/24/07	0:00	7.604	4.161	2.737	4.22	3.388
12/24/07	4:00	7.609	4.168	2.741	4.225	3.407
12/24/07	8:00	7.611	4.175	2.744	4.232	3.428
12/24/07	12:00	7.616	4.182	2.741	4.234	3.447
12/24/07	16:00	7.607	4.161	2.718	4.211	3.4
12/24/07	20:00	7.595	4.147	2.721	4.201	3.363
12/25/07	0:00	7.59	4.138	2.714	4.192	3.346
12/25/07	4:00	7.583	4.136	2.718	4.187	3.344
12/25/07	8:00	7.588	4.145	2.725	4.197	3.346
12/25/07	12:00	7.602	4.157	2.73	4.206	3.351
12/25/07	16:00	7.593	4.136	2.721	4.194	3.304
12/25/07	20:00	7.602	4.133	2.732	4.211	3.262
12/26/07	0:00	7.607	4.136	2.735	4.215	3.26
12/26/07	4:00	7.607	4.136	2.732	4.211	3.265
12/26/07	8:00	7.607	4.145	2.739	4.218	3.274
12/26/07	12:00	7.609	4.143	2.732	4.213	3.279
12/26/07	16:00	7.597	4.126	2.728	4.206	3.246
12/26/07	20:00	7.602	4.115	2.735	4.215	3.206
12/27/07	0:00	7.607	4.126	2.739	4.22	3.237
12/27/07	4:00	7.614	4.15	2.749	4.232	3.295
12/27/07	8:00	7.621	4.171	2.758	4.243	3.346
12/27/07	12:00	7.628	4.18	2.753	4.25	3.379
12/27/07	16:00	7.625	4.171	2.744	4.241	3.363
12/27/07	20:00	7.628	4.175	2.749	4.25	3.358
12/28/07	0:00	7.625	4.175	2.749	4.248	3.363
12/28/07	4:00	7.625	4.173	2.746	4.246	3.37
12/28/07	8:00	7.614	4.168	2.744	4.232	3.37
12/28/07	12:00	7.621	4.175	2.744	4.239	3.377
12/28/07	16:00	7.618	4.171	2.739	4.232	3.363
12/28/07	20:00	7.625	4.175	2.744	4.239	3.36
12/29/07	0:00	7.632	4.187	2.756	4.248	3.393
12/29/07	4:00	7.632	4.192	2.756	4.25	3.426
12/29/07	8:00	7.635	4.201	2.76	4.253	3.456
12/29/07	12:00	7.642	4.21	2.76	4.255	3.477
12/29/07	16:00	7.632	4.194	2.737	4.239	3.437
12/29/07	20:00	7.637	4.192	2.739	4.243	3.407
12/30/07	0:00	7.637	4.192	2.742	4.241	3.426
12/30/07	4:00	7.63	4.194	2.746	4.239	3.451
12/30/07	8:00	7.623	4.194	2.744	4.227	3.47
12/30/07	12:00	7.628	4.203	2.742	4.229	3.489
12/30/07	16:00	7.621	4.189	2.728	4.218	3.451
12/30/07	20:00	7.63	4.187	2.732	4.225	3.43
12/31/07	0:00	7.637	4.201	2.739	4.234	3.475
12/31/07	4:00	7.639	4.206	2.735	4.236	3.482
12/31/07	8:00	7.646	4.208	2.737	4.248	3.463
12/31/07	12:00	7.66	4.217	2.746	4.269	3.463
12/31/07	16:00	7.667	4.22	2.749	4.278	3.444
12/31/07	20:00	7.681	4.229	2.76	4.302	3.435

TABLE S1.5 Wetlands discharge flow rates calculated from measurements made at the V-notch (beginning April 1, 2007) and R-notch (beginning May 31, 2007) weirs.

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
4/26/07	13:00	1.781	0.802	0.330	148.013						
4/26/07	14:00	1.621	0.642	0.190	85.365						
4/26/07	15:00	1.604	0.625	0.178	79.890						
4/26/07	16:00	1.607	0.628	0.180	80.841						
4/26/07	17:00	1.59	0.611	0.168	75.544						
4/26/07	18:00	1.581	0.602	0.162	72.827						
4/26/07	19:00	1.583	0.604	0.164	73.426						
4/26/07	20:00	1.576	0.597	0.159	71.343						
4/26/07	21:00	1.569	0.590	0.154	69.296						
4/26/07	22:00	1.569	0.590	0.154	69.296						
4/26/07	23:00	1.571	0.592	0.156	69.878						
4/27/07	0:00	1.564	0.585	0.151	67.856						
4/27/07	1:00	1.555	0.576	0.146	65.310						
4/27/07	2:00	1.562	0.583	0.150	67.285						
4/27/07	3:00	1.57	0.591	0.155	69.587						
4/27/07	4:00	1.563	0.584	0.151	67.571						
4/27/07	5:00	1.561	0.582	0.149	67.001						
4/27/07	6:00	1.563	0.584	0.151	67.571						
4/27/07	7:00	1.559	0.580	0.148	66.434						
4/27/07	8:00	1.556	0.577	0.146	65.590						
4/27/07	9:00	1.554	0.575	0.145	65.030						
4/27/07	10:00	1.554	0.575	0.145	65.030						
4/27/07	11:00	1.556	0.577	0.146	65.590						
4/27/07	12:00	1.546	0.567	0.140	62.821						
4/27/07	13:00	1.56	0.581	0.149	66.717						
4/27/07	14:00	1.558	0.579	0.147	66.152						
4/27/07	15:00	1.55	0.571	0.142	63.920						
4/27/07	16:00	1.55	0.571	0.142	63.920						
4/27/07	17:00	1.541	0.562	0.137	61.464						
4/27/07	18:00	1.536	0.557	0.134	60.124						
4/27/07	19:00	1.536	0.557	0.134	60.124						
4/27/07	20:00	1.531	0.552	0.131	58.802						

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
4/27/07	21:00	1.536	0.557	0.134	60.124						
4/27/07	22:00	1.534	0.555	0.133	59.593						
4/27/07	23:00	1.531	0.552	0.131	58.802						
4/28/07	0:00	1.527	0.548	0.129	57.757						
4/28/07	1:00	1.527	0.548	0.129	57.757						
4/28/07	2:00	1.525	0.546	0.128	57.239						
4/28/07	3:00	1.522	0.543	0.126	56.467						
4/28/07	4:00	1.518	0.539	0.124	55.447						
4/28/07	5:00	1.52	0.541	0.125	55.956						
4/28/07	6:00	1.518	0.539	0.124	55.447						
4/28/07	7:00	1.516	0.537	0.122	54.942						
4/28/07	8:00	1.507	0.528	0.117	52.700						
4/28/07	9:00	1.511	0.532	0.120	53.689						
4/28/07	10:00	1.508	0.529	0.118	52.947						
4/28/07	11:00	1.503	0.524	0.115	51.722						
4/28/07	12:00	1.498	0.519	0.113	50.515						
4/28/07	13:00	1.496	0.517	0.111	50.037						
4/28/07	14:00	1.476	0.497	0.101	45.404						
4/28/07	15:00	1.472	0.493	0.099	44.510						
4/28/07	16:00	1.463	0.484	0.095	42.537						
4/28/07	17:00	1.475	0.496	0.101	45.180						
4/28/07	18:00	1.466	0.487	0.096	43.188						
4/28/07	19:00	1.473	0.494	0.100	44.732						
4/28/07	20:00	1.475	0.496	0.101	45.180						
4/28/07	21:00	1.474	0.495	0.100	44.956						
4/28/07	22:00	1.481	0.502	0.104	46.537						
4/28/07	23:00	1.485	0.506	0.106	47.455						
4/29/07	0:00	1.488	0.509	0.107	48.151						
4/29/07	1:00	1.485	0.506	0.106	47.455						
4/29/07	2:00	1.482	0.503	0.104	46.766						
4/29/07	3:00	1.463	0.484	0.095	42.537						
4/29/07	4:00	1.473	0.494	0.100	44.732						
4/29/07	5:00	1.475	0.496	0.101	45.180						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
4/29/07	6:00	1.477	0.498	0.102	45.629						
4/29/07	7:00	1.477	0.498	0.102	45.629						
4/29/07	8:00	1.477	0.498	0.102	45.629						
4/29/07	9:00	1.475	0.496	0.101	45.180						
4/29/07	10:00	1.473	0.494	0.100	44.732						
4/29/07	11:00	1.466	0.487	0.096	43.188						
4/29/07	12:00	1.459	0.480	0.093	41.677						
4/29/07	13:00	1.464	0.485	0.095	42.753						
4/29/07	14:00	1.456	0.477	0.091	41.039						
4/29/07	15:00	1.445	0.466	0.086	38.750						
4/29/07	16:00	1.425	0.446	0.078	34.789						
4/29/07	17:00	1.452	0.473	0.090	40.198						
4/29/07	18:00	1.428	0.449	0.079	35.367						
4/29/07	19:00	1.435	0.456	0.082	36.738						
4/29/07	20:00	1.45	0.471	0.089	39.781						
4/29/07	21:00	1.457	0.478	0.092	41.251						
4/29/07	22:00	1.451	0.472	0.089	39.989						
4/29/07	23:00	1.439	0.460	0.084	37.535						
4/30/07	0:00	1.446	0.467	0.087	38.955						
4/30/07	1:00	1.431	0.452	0.080	35.950						
4/30/07	2:00	1.445	0.466	0.086	38.750						
4/30/07	3:00	1.459	0.480	0.093	41.677						
4/30/07	4:00	1.457	0.478	0.092	41.251						
4/30/07	5:00	1.459	0.480	0.093	41.677						
4/30/07	6:00	1.461	0.482	0.094	42.106						
4/30/07	7:00	1.459	0.480	0.093	41.677						
4/30/07	8:00	1.459	0.480	0.093	41.677						
4/30/07	9:00	1.454	0.475	0.091	40.617						
4/30/07	10:00	1.459	0.480	0.093	41.677						
4/30/07	11:00	1.454	0.475	0.091	40.617						
4/30/07	12:00	1.366	0.387	0.055	24.558						
4/30/07	13:00	1.435	0.456	0.082	36.738						
4/30/07	14:00	1.445	0.466	0.086	38.750						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
4/30/07	15:00	1.415	0.436	0.073	32.904						
4/30/07	16:00	1.418	0.439	0.075	33.463						
4/30/07	17:00	1.419	0.440	0.075	33.650						
4/30/07	18:00	1.426	0.447	0.078	34.981						
4/30/07	19:00	1.439	0.460	0.084	37.535						
4/30/07	20:00	1.434	0.455	0.081	36.540						
4/30/07	21:00	1.445	0.466	0.086	38.750						
4/30/07	22:00	1.438	0.459	0.083	37.335						
4/30/07	23:00	1.442	0.463	0.085	38.140						
5/1/07	0:00	1.444	0.465	0.086	38.546						
5/1/07	1:00	1.446	0.467	0.087	38.955						
5/1/07	2:00	1.448	0.469	0.088	39.367						
5/1/07	3:00	1.446	0.467	0.087	38.955						
5/1/07	4:00	1.45	0.471	0.089	39.781						
5/1/07	5:00	1.452	0.473	0.090	40.198						
5/1/07	6:00	1.452	0.473	0.090	40.198						
5/1/07	7:00	1.454	0.475	0.091	40.617						
5/1/07	8:00	1.452	0.473	0.090	40.198						
5/1/07	9:00	1.47	0.491	0.098	44.067						
5/1/07	10:00	1.461	0.482	0.094	42.106						
5/1/07	11:00	1.442	0.463	0.085	38.140						
5/1/07	12:00	1.372	0.393	0.057	25.502						
5/1/07	13:00	1.427	0.448	0.078	35.174						
5/1/07	14:00	1.432	0.453	0.081	36.146						
5/1/07	15:00	1.439	0.460	0.084	37.535						
5/1/07	16:00	1.414	0.435	0.073	32.719						
5/1/07	17:00	1.414	0.435	0.073	32.719						
5/1/07	18:00	1.411	0.432	0.072	32.167						
5/1/07	19:00	1.407	0.428	0.070	31.441						
5/1/07	20:00	1.409	0.430	0.071	31.803						
5/1/07	21:00	1.418	0.439	0.075	33.463						
5/1/07	22:00	1.42	0.441	0.075	33.838						
5/1/07	23:00	1.427	0.448	0.078	35.174						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/2/07	0:00	1.431	0.452	0.080	35.950						
5/2/07	1:00	1.428	0.449	0.079	35.367						
5/2/07	2:00	1.433	0.454	0.081	36.343						
5/2/07	3:00	1.435	0.456	0.082	36.738						
5/2/07	4:00	1.435	0.456	0.082	36.738						
5/2/07	5:00	1.437	0.458	0.083	37.135						
5/2/07	6:00	1.437	0.458	0.083	37.135						
5/2/07	7:00	1.437	0.458	0.083	37.135						
5/2/07	8:00	1.44	0.461	0.084	37.736						
5/2/07	9:00	1.409	0.430	0.071	31.803						
5/2/07	10:00	1.426	0.447	0.078	34.981						
5/2/07	11:00	1.454	0.475	0.091	40.617						
5/2/07	12:00	1.475	0.496	0.101	45.180						
5/2/07	13:00	1.414	0.435	0.073	32.719						
5/2/07	14:00	1.414	0.435	0.073	32.719						
5/2/07	15:00	1.419	0.440	0.075	33.650						
5/2/07	16:00	1.414	0.435	0.073	32.719						
5/2/07	17:00	1.4	0.421	0.067	30.193						
5/2/07	18:00	1.417	0.438	0.074	33.276						
5/2/07	19:00	1.433	0.454	0.081	36.343						
5/2/07	20:00	1.428	0.449	0.079	35.367						
5/2/07	21:00	1.435	0.456	0.082	36.738						
5/2/07	22:00	1.431	0.452	0.080	35.950						
5/2/07	23:00	1.414	0.435	0.073	32.719						
5/3/07	0:00	1.44	0.461	0.084	37.736						
5/3/07	1:00	1.433	0.454	0.081	36.343						
5/3/07	2:00	1.437	0.458	0.083	37.135						
5/3/07	3:00	1.442	0.463	0.085	38.140						
5/3/07	4:00	1.44	0.461	0.084	37.736						
5/3/07	5:00	1.447	0.468	0.087	39.161						
5/3/07	6:00	1.444	0.465	0.086	38.546						
5/3/07	7:00	1.459	0.480	0.093	41.677						
5/3/07	8:00	1.454	0.475	0.091	40.617						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/3/07	9:00	1.444	0.465	0.086	38.546						
5/3/07	10:00	1.435	0.456	0.082	36.738						
5/3/07	11:00	1.447	0.468	0.087	39.161						
5/3/07	12:00	1.451	0.472	0.089	39.989						
5/3/07	13:00	1.442	0.463	0.085	38.140						
5/3/07	14:00	1.468	0.489	0.097	43.626						
5/3/07	15:00	1.451	0.472	0.089	39.989						
5/3/07	16:00	1.456	0.477	0.091	41.039						
5/3/07	17:00	1.437	0.458	0.083	37.135						
5/3/07	18:00	1.456	0.477	0.091	41.039						
5/3/07	19:00	1.491	0.512	0.109	48.853						
5/3/07	20:00	1.491	0.512	0.109	48.853						
5/3/07	21:00	1.487	0.508	0.107	47.919						
5/3/07	22:00	1.494	0.515	0.110	49.561						
5/3/07	23:00	1.48	0.501	0.103	46.309						
5/4/07	0:00	1.477	0.498	0.102	45.629						
5/4/07	1:00	1.475	0.496	0.101	45.180						
5/4/07	2:00	1.484	0.505	0.105	47.225						
5/4/07	3:00	1.498	0.519	0.113	50.515						
5/4/07	4:00	1.778	0.799	0.327	146.646						
5/4/07	5:00	2.091	1.112	0.742	332.839						
5/4/07	6:00	2.072	1.093	0.711	318.899						
5/4/07	7:00	2.048	1.069	0.672	301.799						
5/4/07	8:00	2.027	1.048	0.640	287.298						
5/4/07	9:00	2.022	1.043	0.633	283.909						
5/4/07	10:00	2.001	1.022	0.601	269.935						
5/4/07	11:00	2.006	1.027	0.609	273.224						
5/4/07	12:00	2.004	1.025	0.606	271.906						
5/4/07	13:00	2.002	1.023	0.603	270.591						
5/4/07	14:00	2.009	1.030	0.613	275.209						
5/4/07	15:00	2.009	1.030	0.613	275.209						
5/4/07	16:00	2.038	1.059	0.657	294.841						
5/4/07	17:00	2.038	1.059	0.657	294.841						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/4/07	18:00	2.036	1.057	0.654	293.461						
5/4/07	19:00	2.036	1.057	0.654	293.461						
5/4/07	20:00	2.036	1.057	0.654	293.461						
5/4/07	21:00	2.033	1.054	0.649	291.398						
5/4/07	22:00	2.038	1.059	0.657	294.841						
5/4/07	23:00	2.019	1.040	0.628	281.887						
5/5/07	0:00	2.021	1.042	0.631	283.234						
5/5/07	1:00	2.026	1.047	0.639	286.619						
5/5/07	2:00	2.03	1.051	0.645	289.344						
5/5/07	3:00	2.089	1.110	0.738	331.355						
5/5/07	4:00	2.039	1.060	0.658	295.532						
5/5/07	5:00	2.053	1.074	0.680	305.315						
5/5/07	6:00	2.051	1.072	0.677	303.906						
5/5/07	7:00	2.102	1.123	0.760	341.074						
5/5/07	8:00	2.112	1.133	0.777	348.665						
5/5/07	9:00	2.084	1.105	0.730	327.662						
5/5/07	10:00	2.095	1.116	0.748	335.820						
5/5/07	11:00	2.082	1.103	0.727	326.191						
5/5/07	12:00	2.061	1.082	0.693	310.991						
5/5/07	13:00	2.05	1.071	0.676	303.203						
5/5/07	14:00	2.041	1.062	0.662	296.918						
5/5/07	15:00	2.042	1.063	0.663	297.612						
5/5/07	16:00	2.062	1.083	0.695	311.705						
5/5/07	17:00	2.041	1.062	0.662	296.918						
5/5/07	18:00	2.049	1.070	0.674	302.500						
5/5/07	19:00	2.047	1.068	0.671	301.099						
5/5/07	20:00	2.046	1.067	0.669	300.400						
5/5/07	21:00	2.051	1.072	0.677	303.906						
5/5/07	22:00	2.062	1.083	0.695	311.705						
5/5/07	23:00	2.057	1.078	0.687	308.145						
5/6/07	0:00	2.066	1.087	0.701	314.571						
5/6/07	1:00	2.167	1.188	0.874	392.224						
5/6/07	2:00	1.999	1.020	0.599	268.626						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/6/07	3:00	3.486	2.507	5.606	2515.831						
5/6/07	4:00	3.127	2.148	3.814	1711.744						
5/6/07	5:00	2.904	1.925	2.903	1302.808						
5/6/07	6:00	2.84	1.861	2.668	1197.620						
5/6/07	7:00	2.707	1.728	2.219	995.767						
5/6/07	8:00	2.427	1.448	1.429	641.437						
5/6/07	9:00	2.213	1.234	0.960	431.042						
5/6/07	10:00	2.147	1.168	0.838	376.028						
5/6/07	11:00	2.025	1.046	0.637	285.940						
5/6/07	12:00	1.957	0.978	0.539	242.017						
5/6/07	13:00	1.913	0.934	0.481	215.907						
5/6/07	14:00	1.89	0.911	0.452	202.965						
5/6/07	15:00	1.906	0.927	0.472	211.917						
5/6/07	16:00	1.887	0.908	0.449	201.312						
5/6/07	17:00	1.908	0.929	0.475	213.053						
5/6/07	18:00	1.882	0.903	0.442	198.575						
5/6/07	19:00	1.861	0.882	0.417	187.325						
5/6/07	20:00	1.854	0.875	0.409	183.662						
5/6/07	21:00	1.865	0.886	0.422	189.438						
5/6/07	22:00	1.884	0.905	0.445	199.667						
5/6/07	23:00	3.465	2.486	5.489	2463.636						
5/7/07	0:00	2.958	1.979	3.110	1395.725						
5/7/07	1:00	2.779	1.800	2.456	1102.266						
5/7/07	2:00	2.493	1.514	1.597	716.632						
5/7/07	3:00	2.211	1.232	0.957	429.308						
5/7/07	4:00	2.175	1.196	0.889	398.818						
5/7/07	5:00	2.145	1.166	0.834	374.431						
5/7/07	6:00	2.006	1.027	0.609	273.224						
5/7/07	7:00	1.994	1.015	0.591	265.371						
5/7/07	8:00	1.95	0.971	0.530	237.743						
5/7/07	9:00	1.922	0.943	0.493	221.103						
5/7/07	10:00	1.903	0.924	0.468	210.221						
5/7/07	11:00	1.889	0.910	0.451	202.413						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/7/07	12:00	1.868	0.889	0.426	191.031						
5/7/07	13:00	1.859	0.880	0.415	186.274						
5/7/07	14:00	1.845	0.866	0.399	179.017						
5/7/07	15:00	1.845	0.866	0.399	179.017						
5/7/07	16:00	1.845	0.866	0.399	179.017						
5/7/07	17:00	1.843	0.864	0.397	177.994						
5/7/07	18:00	1.838	0.859	0.391	175.453						
5/7/07	19:00	1.824	0.845	0.375	168.453						
5/7/07	20:00	1.805	0.826	0.355	159.226						
5/7/07	21:00	1.798	0.819	0.347	155.905						
5/7/07	22:00	1.781	0.802	0.330	148.013						
5/7/07	23:00	1.795	0.816	0.344	154.494						
5/8/07	0:00	1.783	0.804	0.332	148.929						
5/8/07	1:00	1.79	0.811	0.339	152.160						
5/8/07	2:00	1.778	0.799	0.327	146.646						
5/8/07	3:00	1.778	0.799	0.327	146.646						
5/8/07	4:00	1.771	0.792	0.320	143.486						
5/8/07	5:00	1.769	0.790	0.318	142.590						
5/8/07	6:00	1.769	0.790	0.318	142.590						
5/8/07	7:00	1.774	0.795	0.323	144.835						
5/8/07	8:00	1.764	0.785	0.313	140.366						
5/8/07	9:00	1.752	0.773	0.301	135.115						
5/8/07	10:00	1.75	0.771	0.299	134.251						
5/8/07	11:00	1.745	0.766	0.294	132.106						
5/8/07	12:00	1.746	0.767	0.295	132.534						
5/8/07	13:00	1.726	0.747	0.277	124.145						
5/8/07	14:00	1.692	0.713	0.247	110.632						
5/8/07	15:00	1.679	0.700	0.236	105.711						
5/8/07	16:00	1.663	0.684	0.222	99.837						
5/8/07	17:00	1.652	0.673	0.214	95.915						
5/8/07	18:00	1.652	0.673	0.214	95.915						
5/8/07	19:00	1.637	0.658	0.202	90.718						
5/8/07	20:00	1.639	0.660	0.204	91.401						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/8/07	21:00	1.645	0.666	0.208	93.468						
5/8/07	22:00	1.654	0.675	0.215	96.621						
5/8/07	23:00	1.651	0.672	0.213	95.563						
5/9/07	0:00	1.657	0.678	0.218	97.686						
5/9/07	1:00	1.65	0.671	0.212	95.212						
5/9/07	2:00	1.656	0.677	0.217	97.330						
5/9/07	3:00	1.651	0.672	0.213	95.563						
5/9/07	4:00	1.654	0.675	0.215	96.621						
5/9/07	5:00	1.649	0.670	0.211	94.862						
5/9/07	6:00	1.656	0.677	0.217	97.330						
5/9/07	7:00	1.656	0.677	0.217	97.330						
5/9/07	8:00	1.649	0.670	0.211	94.862						
5/9/07	9:00	1.651	0.672	0.213	95.563						
5/9/07	10:00	1.658	0.679	0.218	98.042						
5/9/07	11:00	1.666	0.687	0.225	100.923						
5/9/07	12:00	1.659	0.680	0.219	98.400						
5/9/07	13:00	1.653	0.674	0.215	96.268						
5/9/07	14:00	1.635	0.656	0.201	90.038						
5/9/07	15:00	1.634	0.655	0.200	89.700						
5/9/07	16:00	1.632	0.653	0.198	89.024						
5/9/07	17:00	1.63	0.651	0.197	88.352						
5/9/07	18:00	1.623	0.644	0.192	86.024						
5/9/07	19:00	1.62	0.641	0.189	85.037						
5/9/07	20:00	1.619	0.640	0.189	84.710						
5/9/07	21:00	1.621	0.642	0.190	85.365						
5/9/07	22:00	1.623	0.644	0.192	86.024						
5/9/07	23:00	1.629	0.650	0.196	88.017						
5/10/07	0:00	1.608	0.629	0.181	81.159						
5/10/07	1:00	1.605	0.626	0.179	80.206						
5/10/07	2:00	1.605	0.626	0.179	80.206						
5/10/07	3:00	1.607	0.628	0.180	80.841						
5/10/07	4:00	1.611	0.632	0.183	82.118						
5/10/07	5:00	1.604	0.625	0.178	79.890						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/10/07	6:00	1.604	0.625	0.178	79.890						
5/10/07	7:00	1.607	0.628	0.180	80.841						
5/10/07	8:00	1.609	0.630	0.182	81.478						
5/10/07	9:00	1.607	0.628	0.180	80.841						
5/10/07	10:00	1.609	0.630	0.182	81.478						
5/10/07	11:00	1.614	0.635	0.185	83.085						
5/10/07	12:00	1.611	0.632	0.183	82.118						
5/10/07	13:00	1.619	0.640	0.189	84.710						
5/10/07	14:00	1.598	0.619	0.174	78.010						
5/10/07	15:00	1.574	0.595	0.158	70.755						
5/10/07	16:00	1.571	0.592	0.156	69.878						
5/10/07	17:00	1.576	0.597	0.159	71.343						
5/10/07	18:00	1.562	0.583	0.150	67.285						
5/10/07	19:00	1.565	0.586	0.152	68.143						
5/10/07	20:00	1.561	0.582	0.149	67.001						
5/10/07	21:00	1.569	0.590	0.154	69.296						
5/10/07	22:00	1.575	0.596	0.158	71.049						
5/10/07	23:00	1.577	0.598	0.160	71.638						
5/11/07	0:00	1.585	0.606	0.165	74.027						
5/11/07	1:00	1.583	0.604	0.164	73.426						
5/11/07	2:00	1.58	0.601	0.162	72.529						
5/11/07	3:00	1.591	0.612	0.169	75.850						
5/11/07	4:00	1.591	0.612	0.169	75.850						
5/11/07	5:00	1.591	0.612	0.169	75.850						
5/11/07	6:00	1.588	0.609	0.167	74.935						
5/11/07	7:00	1.588	0.609	0.167	74.935						
5/11/07	8:00	1.59	0.611	0.168	75.544						
5/11/07	9:00	1.593	0.614	0.170	76.463						
5/11/07	10:00	1.586	0.607	0.166	74.329						
5/11/07	11:00	1.57	0.591	0.155	69.587						
5/11/07	12:00	1.564	0.585	0.151	67.856						
5/11/07	13:00	1.561	0.582	0.149	67.001						
5/11/07	14:00	1.549	0.570	0.142	63.644						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/11/07	15:00	1.546	0.567	0.140	62.821						
5/11/07	16:00	1.523	0.544	0.126	56.724						
5/11/07	17:00	1.526	0.547	0.128	57.498						
5/11/07	18:00	1.505	0.526	0.116	52.210						
5/11/07	19:00	1.505	0.526	0.116	52.210						
5/11/07	20:00	1.506	0.527	0.117	52.455						
5/11/07	21:00	1.512	0.533	0.120	53.939						
5/11/07	22:00	1.52	0.541	0.125	55.956						
5/11/07	23:00	1.526	0.547	0.128	57.498						
5/12/07	0:00	1.537	0.558	0.135	60.391						
5/12/07	1:00	1.539	0.560	0.136	60.926						
5/12/07	2:00	1.541	0.562	0.137	61.464						
5/12/07	3:00	1.543	0.564	0.138	62.005						
5/12/07	4:00	1.549	0.570	0.142	63.644						
5/12/07	5:00	1.546	0.567	0.140	62.821						
5/12/07	6:00	1.546	0.567	0.140	62.821						
5/12/07	7:00	1.546	0.567	0.140	62.821						
5/12/07	8:00	1.546	0.567	0.140	62.821						
5/12/07	9:00	1.541	0.562	0.137	61.464						
5/12/07	10:00	1.535	0.556	0.133	59.859						
5/12/07	11:00	1.529	0.550	0.130	58.278						
5/12/07	12:00	1.506	0.527	0.117	52.455						
5/12/07	13:00	1.496	0.517	0.111	50.037						
5/12/07	14:00	1.47	0.491	0.098	44.067						
5/12/07	15:00	1.465	0.486	0.096	42.971						
5/12/07	16:00	1.443	0.464	0.085	38.343						
5/12/07	17:00	1.484	0.505	0.105	47.225						
5/12/07	18:00	1.479	0.500	0.103	46.082						
5/12/07	19:00	1.474	0.495	0.100	44.956						
5/12/07	20:00	1.477	0.498	0.102	45.629						
5/12/07	21:00	1.483	0.504	0.105	46.995						
5/12/07	22:00	1.495	0.516	0.111	49.799						
5/12/07	23:00	1.506	0.527	0.117	52.455						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/13/07	0:00	1.517	0.538	0.123	55.194						
5/13/07	1:00	1.518	0.539	0.124	55.447						
5/13/07	2:00	1.515	0.536	0.122	54.690						
5/13/07	3:00	1.522	0.543	0.126	56.467						
5/13/07	4:00	1.526	0.547	0.128	57.498						
5/13/07	5:00	1.53	0.551	0.130	58.540						
5/13/07	6:00	1.53	0.551	0.130	58.540						
5/13/07	7:00	1.532	0.553	0.132	59.065						
5/13/07	8:00	1.532	0.553	0.132	59.065						
5/13/07	9:00	1.534	0.555	0.133	59.593						
5/13/07	10:00	1.528	0.549	0.129	58.018						
5/13/07	11:00	1.508	0.529	0.118	52.947						
5/13/07	12:00	1.514	0.535	0.121	54.439						
5/13/07	13:00	1.511	0.532	0.120	53.689						
5/13/07	14:00	1.482	0.503	0.104	46.766						
5/13/07	15:00	1.485	0.506	0.106	47.455						
5/13/07	16:00	1.487	0.508	0.107	47.919						
5/13/07	17:00	1.459	0.480	0.093	41.677						
5/13/07	18:00	1.471	0.492	0.099	44.288						
5/13/07	19:00	1.451	0.472	0.089	39.989						
5/13/07	20:00	1.459	0.480	0.093	41.677						
5/13/07	21:00	1.462	0.483	0.094	42.321						
5/13/07	22:00	1.494	0.515	0.110	49.561						
5/13/07	23:00	1.446	0.467	0.087	38.955						
5/14/07	0:00	1.457	0.478	0.092	41.251						
5/14/07	1:00	1.638	0.659	0.203	91.059						
5/14/07	2:00	1.654	0.675	0.215	96.621						
5/14/07	3:00	1.475	0.496	0.101	45.180						
5/14/07	4:00	1.479	0.500	0.103	46.082						
5/14/07	5:00	1.486	0.507	0.106	47.687						
5/14/07	6:00	1.699	0.720	0.253	113.338						
5/14/07	7:00	1.488	0.509	0.107	48.151						
5/14/07	8:00	1.487	0.508	0.107	47.919						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/14/07	9:00	1.504	0.525	0.116	51.966						
5/14/07	10:00	1.465	0.486	0.096	42.971						
5/14/07	11:00	1.449	0.470	0.088	39.573						
5/14/07	12:00	1.641	0.662	0.205	92.087						
5/14/07	13:00	1.626	0.647	0.194	87.017						
5/14/07	14:00	1.43	0.451	0.080	35.755						
5/14/07	15:00	1.451	0.472	0.089	39.989						
5/14/07	16:00	1.611	0.632	0.183	82.118						
5/14/07	17:00	1.427	0.448	0.078	35.174						
5/14/07	18:00	1.64	0.661	0.204	91.744						
5/14/07	19:00	1.44	0.461	0.084	37.736						
5/14/07	20:00	1.429	0.450	0.079	35.561						
5/14/07	21:00	1.565	0.586	0.152	68.143						
5/14/07	22:00	1.816	0.837	0.367	164.530						
5/14/07	23:00	1.951	0.972	0.531	238.351						
5/15/07	0:00	1.978	0.999	0.568	255.114						
5/15/07	1:00	2.005	1.026	0.607	272.564						
5/15/07	2:00	2.091	1.112	0.742	332.839						
5/15/07	3:00	2.056	1.077	0.685	307.436						
5/15/07	4:00	2.037	1.058	0.655	294.150						
5/15/07	5:00	2.055	1.076	0.683	306.728						
5/15/07	6:00	2.034	1.055	0.651	292.084						
5/15/07	7:00	2.025	1.046	0.637	285.940						
5/15/07	8:00	2.008	1.029	0.612	274.546						
5/15/07	9:00	1.999	1.020	0.599	268.626						
5/15/07	10:00	1.992	1.013	0.588	264.076						
5/15/07	11:00	1.912	0.933	0.480	215.334						
5/15/07	12:00	1.976	0.997	0.566	253.848						
5/15/07	13:00	1.87	0.891	0.428	192.098						
5/15/07	14:00	1.807	0.828	0.357	160.183						
5/15/07	15:00	1.87	0.891	0.428	192.098						
5/15/07	16:00	1.847	0.868	0.401	180.043						
5/15/07	17:00	1.894	0.915	0.457	205.181						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/15/07	18:00	1.906	0.927	0.472	211.917						
5/15/07	19:00	1.894	0.915	0.457	205.181						
5/15/07	20:00	1.931	0.952	0.504	226.372						
5/15/07	21:00	1.901	0.922	0.466	209.095						
5/15/07	22:00	1.917	0.938	0.486	218.207						
5/15/07	23:00	1.914	0.935	0.482	216.481						
5/16/07	0:00	1.931	0.952	0.504	226.372						
5/16/07	1:00	1.973	0.994	0.561	251.958						
5/16/07	2:00	1.954	0.975	0.535	240.180						
5/16/07	3:00	1.98	1.001	0.571	256.382						
5/16/07	4:00	1.978	0.999	0.568	255.114						
5/16/07	5:00	1.957	0.978	0.539	242.017						
5/16/07	6:00	1.976	0.997	0.566	253.848						
5/16/07	7:00	1.978	0.999	0.568	255.114						
5/16/07	8:00	1.985	1.006	0.578	259.571						
5/16/07	9:00	1.802	0.823	0.352	157.797						
5/16/07	10:00	1.933	0.954	0.507	227.554						
5/16/07	11:00	1.889	0.910	0.451	202.413						
5/16/07	12:00	1.966	0.987	0.552	247.579						
5/16/07	13:00	1.948	0.969	0.527	236.530						
5/16/07	14:00	1.949	0.970	0.528	237.136						
5/16/07	15:00	1.942	0.963	0.519	232.915						
5/16/07	16:00	1.761	0.782	0.310	139.042						
5/16/07	17:00	1.712	0.733	0.264	118.468						
5/16/07	18:00	1.728	0.749	0.278	124.969						
5/16/07	19:00	1.735	0.756	0.285	127.879						
5/16/07	20:00	1.497	0.518	0.112	50.275						
5/16/07	21:00	1.716	0.737	0.268	120.073						
5/16/07	22:00	1.736	0.757	0.286	128.298						
5/16/07	23:00	1.739	0.760	0.289	129.560						
5/17/07	0:00	1.738	0.759	0.288	129.139						
5/17/07	1:00	1.745	0.766	0.294	132.106						
5/17/07	2:00	1.745	0.766	0.294	132.106						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/17/07	3:00	1.733	0.754	0.283	127.044						
5/17/07	4:00	1.748	0.769	0.297	133.391						
5/17/07	5:00	1.741	0.762	0.291	130.405						
5/17/07	6:00	1.764	0.785	0.313	140.366						
5/17/07	7:00	1.776	0.797	0.325	145.739						
5/17/07	8:00	1.79	0.811	0.339	152.160						
5/17/07	9:00	1.802	0.823	0.352	157.797						
5/17/07	10:00	1.792	0.813	0.341	153.091						
5/17/07	11:00	1.79	0.811	0.339	152.160						
5/17/07	12:00	1.63	0.651	0.197	88.352						
5/17/07	13:00	1.654	0.675	0.215	96.621						
5/17/07	14:00	1.691	0.712	0.246	110.249						
5/17/07	15:00	1.694	0.715	0.248	111.401						
5/17/07	16:00	1.437	0.458	0.083	37.135						
5/17/07	17:00	1.446	0.467	0.087	38.955						
5/17/07	18:00	1.432	0.453	0.081	36.146						
5/17/07	19:00	1.439	0.460	0.084	37.535						
5/17/07	20:00	1.443	0.464	0.085	38.343						
5/17/07	21:00	1.454	0.475	0.091	40.617						
5/17/07	22:00	1.465	0.486	0.096	42.971						
5/17/07	23:00	1.474	0.495	0.100	44.956						
5/18/07	0:00	1.478	0.499	0.102	45.855						
5/18/07	1:00	1.483	0.504	0.105	46.995						
5/18/07	2:00	1.485	0.506	0.106	47.455						
5/18/07	3:00	1.494	0.515	0.110	49.561						
5/18/07	4:00	1.492	0.513	0.109	49.088						
5/18/07	5:00	1.494	0.515	0.110	49.561						
5/18/07	6:00	1.498	0.519	0.113	50.515						
5/18/07	7:00	1.496	0.517	0.111	50.037						
5/18/07	8:00	1.496	0.517	0.111	50.037						
5/18/07	9:00	1.503	0.524	0.115	51.722						
5/18/07	10:00	1.491	0.512	0.109	48.853						
5/18/07	11:00	1.473	0.494	0.100	44.732						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/18/07	12:00	1.457	0.478	0.092	41.251						
5/18/07	13:00	1.453	0.474	0.090	40.407						
5/18/07	14:00	1.433	0.454	0.081	36.343						
5/18/07	15:00	1.436	0.457	0.082	36.936						
5/18/07	16:00	1.44	0.461	0.084	37.736						
5/18/07	17:00	1.44	0.461	0.084	37.736						
5/18/07	18:00	1.426	0.447	0.078	34.981						
5/18/07	19:00	1.426	0.447	0.078	34.981						
5/18/07	20:00	1.425	0.446	0.078	34.789						
5/18/07	21:00	1.429	0.450	0.079	35.561						
5/18/07	22:00	1.445	0.466	0.086	38.750						
5/18/07	23:00	1.454	0.475	0.091	40.617						
5/19/07	0:00	1.465	0.486	0.096	42.971						
5/19/07	1:00	1.467	0.488	0.097	43.407						
5/19/07	2:00	1.474	0.495	0.100	44.956						
5/19/07	3:00	1.476	0.497	0.101	45.404						
5/19/07	4:00	1.475	0.496	0.101	45.180						
5/19/07	5:00	1.478	0.499	0.102	45.855						
5/19/07	6:00	1.477	0.498	0.102	45.629						
5/19/07	7:00	1.482	0.503	0.104	46.766						
5/19/07	8:00	1.487	0.508	0.107	47.919						
5/19/07	9:00	1.484	0.505	0.105	47.225						
5/19/07	10:00	1.482	0.503	0.104	46.766						
5/19/07	11:00	1.476	0.497	0.101	45.404						
5/19/07	12:00	1.458	0.479	0.092	41.464						
5/19/07	13:00	1.452	0.473	0.090	40.198						
5/19/07	14:00	1.45	0.471	0.089	39.781						
5/19/07	15:00	1.414	0.435	0.073	32.719						
5/19/07	16:00	1.425	0.446	0.078	34.789						
5/19/07	17:00	1.416	0.437	0.074	33.089						
5/19/07	18:00	1.414	0.435	0.073	32.719						
5/19/07	19:00	1.416	0.437	0.074	33.089						
5/19/07	20:00	1.396	0.417	0.066	29.494						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/19/07	21:00	1.41	0.431	0.071	31.985						
5/19/07	22:00	1.432	0.453	0.081	36.146						
5/19/07	23:00	1.437	0.458	0.083	37.135						
5/20/07	0:00	1.45	0.471	0.089	39.781						
5/20/07	1:00	1.459	0.480	0.093	41.677						
5/20/07	2:00	1.463	0.484	0.095	42.537						
5/20/07	3:00	1.463	0.484	0.095	42.537						
5/20/07	4:00	1.465	0.486	0.096	42.971						
5/20/07	5:00	1.471	0.492	0.099	44.288						
5/20/07	6:00	1.473	0.494	0.100	44.732						
5/20/07	7:00	1.473	0.494	0.100	44.732						
5/20/07	8:00	1.48	0.501	0.103	46.309						
5/20/07	9:00	1.501	0.522	0.114	51.237						
5/20/07	10:00	1.48	0.501	0.103	46.309						
5/20/07	11:00	1.472	0.493	0.099	44.510						
5/20/07	12:00	1.456	0.477	0.091	41.039						
5/20/07	13:00	1.443	0.464	0.085	38.343						
5/20/07	14:00	1.43	0.451	0.080	35.755						
5/20/07	15:00	1.426	0.447	0.078	34.981						
5/20/07	16:00	1.434	0.455	0.081	36.540						
5/20/07	17:00	1.439	0.460	0.084	37.535						
5/20/07	18:00	1.437	0.458	0.083	37.135						
5/20/07	19:00	1.43	0.451	0.080	35.755						
5/20/07	20:00	1.427	0.448	0.078	35.174						
5/20/07	21:00	1.417	0.438	0.074	33.276						
5/20/07	22:00	1.423	0.444	0.077	34.407						
5/20/07	23:00	1.436	0.457	0.082	36.936						
5/21/07	0:00	1.438	0.459	0.083	37.335						
5/21/07	1:00	1.44	0.461	0.084	37.736						
5/21/07	2:00	1.451	0.472	0.089	39.989						
5/21/07	3:00	1.456	0.477	0.091	41.039						
5/21/07	4:00	1.455	0.476	0.091	40.828						
5/21/07	5:00	1.453	0.474	0.090	40.407						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/21/07	6:00	1.46	0.481	0.093	41.891						
5/21/07	7:00	1.466	0.487	0.096	43.188						
5/21/07	8:00	1.469	0.490	0.098	43.846						
5/21/07	9:00	1.471	0.492	0.099	44.288						
5/21/07	10:00	1.471	0.492	0.099	44.288						
5/21/07	11:00	1.458	0.479	0.092	41.464						
5/21/07	12:00	1.426	0.447	0.078	34.981						
5/21/07	13:00	1.424	0.445	0.077	34.598						
5/21/07	14:00	1.412	0.433	0.072	32.350						
5/21/07	15:00	1.4	0.421	0.067	30.193						
5/21/07	16:00	1.42	0.441	0.075	33.838						
5/21/07	17:00	1.378	0.399	0.059	26.467						
5/21/07	18:00	1.352	0.373	0.050	22.438						
5/21/07	19:00	1.347	0.368	0.048	21.709						
5/21/07	20:00	1.356	0.377	0.051	23.032						
5/21/07	21:00	1.362	0.383	0.053	23.941						
5/21/07	22:00	1.371	0.392	0.056	25.343						
5/21/07	23:00	1.382	0.403	0.060	27.123						
5/22/07	0:00	1.391	0.412	0.064	28.633						
5/22/07	1:00	1.397	0.418	0.066	29.668						
5/22/07	2:00	1.404	0.425	0.069	30.902						
5/22/07	3:00	1.409	0.430	0.071	31.803						
5/22/07	4:00	1.411	0.432	0.072	32.167						
5/22/07	5:00	1.415	0.436	0.073	32.904						
5/22/07	6:00	1.42	0.441	0.075	33.838						
5/22/07	7:00	1.424	0.445	0.077	34.598						
5/22/07	8:00	1.433	0.454	0.081	36.343						
5/22/07	9:00	1.443	0.464	0.085	38.343						
5/22/07	10:00	1.447	0.468	0.087	39.161						
5/22/07	11:00	1.452	0.473	0.090	40.198						
5/22/07	12:00	1.452	0.473	0.090	40.198						
5/22/07	13:00	1.443	0.464	0.085	38.343						
5/22/07	14:00	1.436	0.457	0.082	36.936						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/22/07	15:00	1.441	0.462	0.085	37.937						
5/22/07	16:00	1.43	0.451	0.080	35.755						
5/22/07	17:00	1.432	0.453	0.081	36.146						
5/22/07	18:00	1.412	0.433	0.072	32.350						
5/22/07	19:00	1.398	0.419	0.066	29.842						
5/22/07	20:00	1.4	0.421	0.067	30.193						
5/22/07	21:00	1.404	0.425	0.069	30.902						
5/22/07	22:00	1.416	0.437	0.074	33.089						
5/22/07	23:00	1.42	0.441	0.075	33.838						
5/23/07	0:00	1.423	0.444	0.077	34.407						
5/23/07	1:00	1.427	0.448	0.078	35.174						
5/23/07	2:00	1.429	0.450	0.079	35.561						
5/23/07	3:00	1.436	0.457	0.082	36.936						
5/23/07	4:00	1.439	0.460	0.084	37.535						
5/23/07	5:00	1.443	0.464	0.085	38.343						
5/23/07	6:00	1.443	0.464	0.085	38.343						
5/23/07	7:00	1.443	0.464	0.085	38.343						
5/23/07	8:00	1.448	0.469	0.088	39.367						
5/23/07	9:00	1.45	0.471	0.089	39.781						
5/23/07	10:00	1.453	0.474	0.090	40.407						
5/23/07	11:00	1.453	0.474	0.090	40.407						
5/23/07	12:00	1.427	0.448	0.078	35.174						
5/23/07	13:00	1.425	0.446	0.078	34.789						
5/23/07	14:00	1.422	0.443	0.076	34.217						
5/23/07	15:00	1.427	0.448	0.078	35.174						
5/23/07	16:00	1.421	0.442	0.076	34.027						
5/23/07	17:00	1.417	0.438	0.074	33.276						
5/23/07	18:00	1.487	0.508	0.107	47.919						
5/23/07	19:00	1.527	0.548	0.129	57.757						
5/23/07	20:00	1.712	0.733	0.264	118.468						
5/23/07	21:00	1.71	0.731	0.262	117.670						
5/23/07	22:00	1.719	0.740	0.270	121.286						
5/23/07	23:00	1.657	0.678	0.218	97.686						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/24/07	0:00	1.617	0.638	0.187	84.057						
5/24/07	1:00	1.6	0.621	0.175	78.634						
5/24/07	2:00	1.692	0.713	0.247	110.632						
5/24/07	3:00	1.858	0.879	0.414	185.750						
5/24/07	4:00	2.215	1.236	0.964	432.780						
5/24/07	5:00	2.683	1.704	2.143	961.702						
5/24/07	6:00	2.619	1.640	1.948	874.314						
5/24/07	7:00	2.309	1.330	1.157	519.246						
5/24/07	8:00	2.215	1.236	0.964	432.780						
5/24/07	9:00	2.1	1.121	0.757	339.568						
5/24/07	10:00	2.032	1.053	0.648	290.712						
5/24/07	11:00	2.011	1.032	0.616	276.537						
5/24/07	12:00	1.936	0.957	0.511	229.332						
5/24/07	13:00	1.929	0.950	0.502	225.195						
5/24/07	14:00	1.879	0.900	0.439	196.944						
5/24/07	15:00	1.882	0.903	0.442	198.575						
5/24/07	16:00	1.862	0.883	0.419	187.852						
5/24/07	17:00	1.832	0.853	0.384	172.432						
5/24/07	18:00	1.794	0.815	0.343	154.026						
5/24/07	19:00	1.779	0.800	0.328	147.101						
5/24/07	20:00	1.764	0.785	0.313	140.366						
5/24/07	21:00	1.749	0.770	0.298	133.820						
5/24/07	22:00	1.739	0.760	0.289	129.560						
5/24/07	23:00	1.729	0.750	0.279	125.382						
5/25/07	0:00	1.727	0.748	0.278	124.557						
5/25/07	1:00	1.724	0.745	0.275	123.324						
5/25/07	2:00	1.712	0.733	0.264	118.468						
5/25/07	3:00	1.705	0.726	0.258	115.689						
5/25/07	4:00	1.703	0.724	0.256	114.902						
5/25/07	5:00	1.693	0.714	0.247	111.016						
5/25/07	6:00	1.691	0.712	0.246	110.249						
5/25/07	7:00	1.687	0.708	0.242	108.723						
5/25/07	8:00	1.682	0.703	0.238	106.834						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/25/07	9:00	1.679	0.700	0.236	105.711						
5/25/07	10:00	1.665	0.686	0.224	100.560						
5/25/07	11:00	1.649	0.670	0.211	94.862						
5/25/07	12:00	1.645	0.666	0.208	93.468						
5/25/07	13:00	1.618	0.639	0.188	84.383						
5/25/07	14:00	1.621	0.642	0.190	85.365						
5/25/07	15:00	1.599	0.620	0.175	78.322						
5/25/07	16:00	1.588	0.609	0.167	74.935						
5/25/07	17:00	1.562	0.583	0.150	67.285						
5/25/07	18:00	1.55	0.571	0.142	63.920						
5/25/07	19:00	1.569	0.590	0.154	69.296						
5/25/07	20:00	1.563	0.584	0.151	67.571						
5/25/07	21:00	1.572	0.593	0.156	70.169						
5/25/07	22:00	1.576	0.597	0.159	71.343						
5/25/07	23:00	1.58	0.601	0.162	72.529						
5/26/07	0:00	1.587	0.608	0.166	74.632						
5/26/07	1:00	1.591	0.612	0.169	75.850						
5/26/07	2:00	1.593	0.614	0.170	76.463						
5/26/07	3:00	1.598	0.619	0.174	78.010						
5/26/07	4:00	1.595	0.616	0.172	77.080						
5/26/07	5:00	1.597	0.618	0.173	77.699						
5/26/07	6:00	1.604	0.625	0.178	79.890						
5/26/07	7:00	1.966	0.987	0.552	247.579						
5/26/07	8:00	1.917	0.938	0.486	218.207						
5/26/07	9:00	1.844	0.865	0.398	178.505						
5/26/07	10:00	1.795	0.816	0.344	154.494						
5/26/07	11:00	1.757	0.778	0.306	137.288						
5/26/07	12:00	1.722	0.743	0.273	122.507						
5/26/07	13:00	1.69	0.711	0.245	109.866						
5/26/07	14:00	1.668	0.689	0.226	101.651						
5/26/07	15:00	1.643	0.664	0.207	92.776						
5/26/07	16:00	1.631	0.652	0.198	88.688						
5/26/07	17:00	1.633	0.654	0.199	89.362						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/26/07	18:00	1.617	0.638	0.187	84.057						
5/26/07	19:00	1.612	0.633	0.184	82.440						
5/26/07	20:00	1.607	0.628	0.180	80.841						
5/26/07	21:00	1.608	0.629	0.181	81.159						
5/26/07	22:00	1.61	0.631	0.182	81.798						
5/26/07	23:00	1.608	0.629	0.181	81.159						
5/27/07	0:00	1.605	0.626	0.179	80.206						
5/27/07	1:00	1.609	0.630	0.182	81.478						
5/27/07	2:00	1.607	0.628	0.180	80.841						
5/27/07	3:00	1.607	0.628	0.180	80.841						
5/27/07	4:00	1.607	0.628	0.180	80.841						
5/27/07	5:00	1.609	0.630	0.182	81.478						
5/27/07	6:00	1.604	0.625	0.178	79.890						
5/27/07	7:00	1.607	0.628	0.180	80.841						
5/27/07	8:00	1.595	0.616	0.172	77.080						
5/27/07	9:00	1.585	0.606	0.165	74.027						
5/27/07	10:00	1.588	0.609	0.167	74.935						
5/27/07	11:00	1.564	0.585	0.151	67.856						
5/27/07	12:00	1.572	0.593	0.156	70.169						
5/27/07	13:00	1.539	0.560	0.136	60.926						
5/27/07	14:00	1.529	0.550	0.130	58.278						
5/27/07	15:00	1.526	0.547	0.128	57.498						
5/27/07	16:00	1.515	0.536	0.122	54.690						
5/27/07	17:00	1.506	0.527	0.117	52.455						
5/27/07	18:00	1.511	0.532	0.120	53.689						
5/27/07	19:00	1.499	0.520	0.113	50.755						
5/27/07	20:00	1.503	0.524	0.115	51.722						
5/27/07	21:00	1.509	0.530	0.119	53.194						
5/27/07	22:00	1.516	0.537	0.122	54.942						
5/27/07	23:00	1.527	0.548	0.129	57.757						
5/28/07	0:00	1.529	0.550	0.130	58.278						
5/28/07	1:00	1.538	0.559	0.135	60.658						
5/28/07	2:00	1.54	0.561	0.136	61.195						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/28/07	3:00	1.542	0.563	0.138	61.734						
5/28/07	4:00	1.544	0.565	0.139	62.276						
5/28/07	5:00	1.544	0.565	0.139	62.276						
5/28/07	6:00	1.544	0.565	0.139	62.276						
5/28/07	7:00	1.558	0.579	0.147	66.152						
5/28/07	8:00	1.562	0.583	0.150	67.285						
5/28/07	9:00	1.562	0.583	0.150	67.285						
5/28/07	10:00	1.562	0.583	0.150	67.285						
5/28/07	11:00	1.563	0.584	0.151	67.571						
5/28/07	12:00	1.558	0.579	0.147	66.152						
5/28/07	13:00	1.535	0.556	0.133	59.859						
5/28/07	14:00	1.543	0.564	0.138	62.005						
5/28/07	15:00	1.526	0.547	0.128	57.498						
5/28/07	16:00	1.503	0.524	0.115	51.722						
5/28/07	17:00	1.496	0.517	0.111	50.037						
5/28/07	18:00	1.485	0.506	0.106	47.455						
5/28/07	19:00	1.487	0.508	0.107	47.919						
5/28/07	20:00	1.489	0.510	0.108	48.384						
5/28/07	21:00	1.5	0.521	0.114	50.996						
5/28/07	22:00	1.497	0.518	0.112	50.275						
5/28/07	23:00	1.504	0.525	0.116	51.966						
5/29/07	0:00	1.51	0.531	0.119	53.441						
5/29/07	1:00	1.515	0.536	0.122	54.690						
5/29/07	2:00	1.519	0.540	0.124	55.701						
5/29/07	3:00	1.523	0.544	0.126	56.724						
5/29/07	4:00	1.523	0.544	0.126	56.724						
5/29/07	5:00	1.523	0.544	0.126	56.724						
5/29/07	6:00	1.525	0.546	0.128	57.239						
5/29/07	7:00	1.527	0.548	0.129	57.757						
5/29/07	8:00	1.53	0.551	0.130	58.540						
5/29/07	9:00	1.525	0.546	0.128	57.239						
5/29/07	10:00	1.525	0.546	0.128	57.239						
5/29/07	11:00	1.511	0.532	0.120	53.689						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/29/07	12:00	1.507	0.528	0.117	52.700						
5/29/07	13:00	1.498	0.519	0.113	50.515						
5/29/07	14:00	1.481	0.502	0.104	46.537						
5/29/07	15:00	1.461	0.482	0.094	42.106						
5/29/07	16:00	1.456	0.477	0.091	41.039						
5/29/07	17:00	1.458	0.479	0.092	41.464						
5/29/07	18:00	1.505	0.526	0.116	52.210						
5/29/07	19:00	1.526	0.547	0.128	57.498						
5/29/07	20:00	1.542	0.563	0.138	61.734						
5/29/07	21:00	1.532	0.553	0.132	59.065						
5/29/07	22:00	1.532	0.553	0.132	59.065						
5/29/07	23:00	1.52	0.541	0.125	55.956						
5/30/07	0:00	1.524	0.545	0.127	56.981						
5/30/07	1:00	1.519	0.540	0.124	55.701						
5/30/07	2:00	1.519	0.540	0.124	55.701						
5/30/07	3:00	1.518	0.539	0.124	55.447						
5/30/07	4:00	1.535	0.556	0.133	59.859						
5/30/07	5:00	1.532	0.553	0.132	59.065						
5/30/07	6:00	1.541	0.562	0.137	61.464						
5/30/07	7:00	1.565	0.586	0.152	68.143						
5/30/07	8:00	1.515	0.536	0.122	54.690						
5/30/07	9:00	1.532	0.553	0.132	59.065						
5/30/07	10:00	1.6	0.621	0.175	78.634						
5/30/07	11:00	1.638	0.659	0.203	91.059						
5/30/07	12:00	1.603	0.624	0.177	79.575						
5/30/07	13:00	1.597	0.618	0.173	77.699						
5/30/07	14:00	1.588	0.609	0.167	74.935						
5/30/07	15:00	1.591	0.612	0.169	75.850						
5/30/07	16:00	1.577	0.598	0.160	71.638						
5/30/07	17:00	1.556	0.577	0.146	65.590						
5/30/07	18:00	1.54	0.561	0.136	61.195						
5/30/07	19:00	1.537	0.558	0.135	60.391						
5/30/07	20:00	1.525	0.546	0.128	57.239						

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
5/30/07	21:00	1.524	0.545	0.127	56.981						
5/30/07	22:00	1.524	0.545	0.127	56.981						
5/30/07	23:00	1.533	0.554	0.132	59.329						
5/31/07	0:00	1.537	0.558	0.135	60.391						
5/31/07	1:00	1.539	0.560	0.136	60.926						
5/31/07	2:00	1.539	0.560	0.136	60.926						
5/31/07	3:00	1.541	0.562	0.137	61.464						
5/31/07	4:00	1.541	0.562	0.137	61.464						
5/31/07	5:00	1.548	0.569	0.141	63.369						
5/31/07	6:00	1.548	0.569	0.141	63.369						
5/31/07	7:00	1.543	0.564	0.138	62.005						
5/31/07	8:00	1.543	0.564	0.138	62.005						
5/31/07	9:00	1.538	0.559	0.135	60.658						
5/31/07	10:00	1.527	0.548	0.129	57.757						
5/31/07	11:00	1.509	0.530	0.119	53.194						
5/31/07	12:00	1.493	0.514	0.110	49.324						
5/31/07	13:00	1.47	0.491	0.098	44.067						
5/31/07	14:00	1.453	0.474	0.090	40.407						
5/31/07	15:00	1.452	0.473	0.090	40.198						
5/31/07	16:00	1.439	0.460	0.084	37.535						
5/31/07	17:00	1.445	0.466	0.086	38.750	1.355	0.024	0.007314	0.002014	0.071152	31.933
5/31/07	18:00	1.515	0.536	0.122	54.690	1.354	0.023	0.007010	0.001904	0.067276	30.194
5/31/07	19:00	1.928	0.949	0.500	224.607	1.363	0.032	0.009753	0.002962	0.104643	46.964
5/31/07	20:00	1.926	0.947	0.498	223.435	1.446	0.115	0.035050	0.018188	0.642419	288.318
5/31/07	21:00	1.913	0.934	0.481	215.907	1.438	0.107	0.032612	0.016374	0.578352	259.565
5/31/07	22:00	2.042	1.063	0.663	297.612	1.428	0.097	0.029564	0.014198	0.501492	225.070
5/31/07	23:00	1.868	0.889	0.426	191.031	1.507	0.176	0.053642	0.033943	1.198889	538.062
6/1/07	0:00	1.865	0.886	0.422	189.438	1.525	0.194	0.059128	0.039182	1.383933	621.109
6/1/07	1:00	1.816	0.837	0.367	164.530	1.49	0.159	0.048460	0.029231	1.032453	463.365
6/1/07	2:00	1.783	0.804	0.332	148.929	1.456	0.125	0.038098	0.020543	0.725595	325.647
6/1/07	3:00	1.774	0.795	0.323	144.835	1.43	0.099	0.030173	0.014625	0.516571	231.837
6/1/07	4:00	1.759	0.780	0.308	138.164	1.415	0.084	0.025601	0.011528	0.407201	182.752
6/1/07	5:00	1.741	0.762	0.291	130.405	1.405	0.074	0.022554	0.009605	0.339260	152.260

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/1/07	6:00	1.722	0.743	0.273	122.507	1.4	0.069	0.021030	0.008688	0.306872	137.724
6/1/07	7:00	1.705	0.726	0.258	115.689	1.395	0.064	0.019506	0.007802	0.275586	123.683
6/1/07	8:00	1.698	0.719	0.252	112.949	1.396	0.065	0.019811	0.007977	0.281753	126.451
6/1/07	9:00	1.687	0.708	0.242	108.723	1.393	0.062	0.018896	0.007457	0.263389	118.209
6/1/07	10:00	1.68	0.701	0.236	106.084	1.389	0.058	0.017677	0.006782	0.239554	107.512
6/1/07	11:00	1.662	0.683	0.222	99.476	1.388	0.057	0.017372	0.006617	0.233714	104.891
6/1/07	12:00	1.651	0.672	0.213	95.563	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/1/07	13:00	1.629	0.650	0.196	88.017	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/1/07	14:00	1.615	0.636	0.186	83.408	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/1/07	15:00	1.593	0.614	0.170	76.463	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/1/07	16:00	1.577	0.598	0.160	71.638	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/1/07	17:00	1.572	0.593	0.156	70.169	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/1/07	18:00	1.581	0.602	0.162	72.827	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/1/07	19:00	1.573	0.594	0.157	70.462	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/1/07	20:00	1.575	0.596	0.158	71.049	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/1/07	21:00	1.575	0.596	0.158	71.049	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/1/07	22:00	1.579	0.600	0.161	72.231	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/1/07	23:00	1.565	0.586	0.152	68.143	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/2/07	0:00	1.56	0.581	0.149	66.717	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/2/07	1:00	1.548	0.569	0.141	63.369	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/2/07	2:00	1.548	0.569	0.141	63.369	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/2/07	3:00	1.546	0.567	0.140	62.821	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/2/07	4:00	1.545	0.566	0.139	62.549	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/2/07	5:00	1.548	0.569	0.141	63.369	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/2/07	6:00	1.538	0.559	0.135	60.658	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/2/07	7:00	1.529	0.550	0.130	58.278	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/2/07	8:00	1.529	0.550	0.130	58.278	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/2/07	9:00	1.529	0.550	0.130	58.278	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/2/07	10:00	1.515	0.536	0.122	54.690	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/2/07	11:00	1.494	0.515	0.110	49.561	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/2/07	12:00	1.488	0.509	0.107	48.151	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/2/07	13:00	1.552	0.573	0.144	64.474	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/2/07	14:00	1.541	0.562	0.137	61.464	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/2/07	15:00	1.564	0.585	0.151	67.856	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/2/07	16:00	1.593	0.614	0.170	76.463	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/2/07	17:00	1.61	0.631	0.182	81.798	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/2/07	18:00	1.605	0.626	0.179	80.206	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/2/07	19:00	1.953	0.974	0.534	239.569	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/2/07	20:00	1.847	0.868	0.401	180.043	1.53	0.199	0.060652	0.040682	1.436886	644.875
6/2/07	21:00	1.758	0.779	0.307	137.725	1.532	0.201	0.061261	0.041287	1.458252	654.464
6/2/07	22:00	1.734	0.755	0.284	127.461	1.451	0.12	0.036574	0.019354	0.683585	306.793
6/2/07	23:00	1.729	0.750	0.279	125.382	1.422	0.091	0.027735	0.012943	0.457161	205.174
6/3/07	0:00	1.727	0.748	0.278	124.557	1.407	0.076	0.023163	0.009980	0.352516	158.209
6/3/07	1:00	1.717	0.738	0.268	120.477	1.404	0.073	0.022249	0.009419	0.332696	149.314
6/3/07	2:00	1.703	0.724	0.256	114.902	1.399	0.068	0.020725	0.008508	0.300526	134.876
6/3/07	3:00	1.694	0.715	0.248	111.401	1.398	0.067	0.020420	0.008330	0.294223	132.048
6/3/07	4:00	1.684	0.705	0.240	107.588	1.393	0.062	0.018896	0.007457	0.263389	118.209
6/3/07	5:00	1.672	0.693	0.230	103.116	1.393	0.062	0.018896	0.007457	0.263389	118.209
6/3/07	6:00	1.665	0.686	0.224	100.560	1.39	0.059	0.017982	0.006949	0.245442	110.155
6/3/07	7:00	1.656	0.677	0.217	97.330	1.388	0.057	0.017372	0.006617	0.233714	104.891
6/3/07	8:00	1.651	0.672	0.213	95.563	1.387	0.056	0.017067	0.006453	0.227923	102.292
6/3/07	9:00	1.642	0.663	0.206	92.431	1.385	0.054	0.016458	0.006129	0.216486	97.159
6/3/07	10:00	1.633	0.654	0.199	89.362	1.385	0.054	0.016458	0.006129	0.216486	97.159
6/3/07	11:00	1.619	0.640	0.189	84.710	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/3/07	12:00	1.594	0.615	0.171	76.771	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/3/07	13:00	1.569	0.590	0.154	69.296	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/3/07	14:00	1.554	0.575	0.145	65.030	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/3/07	15:00	1.524	0.545	0.127	56.981	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/3/07	16:00	1.525	0.546	0.128	57.239	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/3/07	17:00	1.521	0.542	0.125	56.211	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/3/07	18:00	1.642	0.663	0.206	92.431	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/3/07	19:00	1.66	0.681	0.220	98.758	1.387	0.056	0.017067	0.006453	0.227923	102.292
6/3/07	20:00	1.638	0.659	0.203	91.059	1.389	0.058	0.017677	0.006782	0.239554	107.512
6/3/07	21:00	1.621	0.642	0.190	85.365	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/3/07	22:00	1.606	0.627	0.179	80.523	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/3/07	23:00	1.606	0.627	0.179	80.523	1.379	0.048	0.014629	0.005191	0.183377	82.300

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/4/07	0:00	1.61	0.631	0.182	81.798	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/4/07	1:00	1.612	0.633	0.184	82.440	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/4/07	2:00	1.612	0.633	0.184	82.440	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/4/07	3:00	1.607	0.628	0.180	80.841	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/4/07	4:00	1.607	0.628	0.180	80.841	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/4/07	5:00	1.609	0.630	0.182	81.478	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/4/07	6:00	1.604	0.625	0.178	79.890	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/4/07	7:00	1.6	0.621	0.175	78.634	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/4/07	8:00	1.602	0.623	0.177	79.261	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/4/07	9:00	1.597	0.618	0.173	77.699	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/4/07	10:00	1.581	0.602	0.162	72.827	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/4/07	11:00	1.563	0.584	0.151	67.571	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/4/07	12:00	1.534	0.555	0.133	59.593	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/4/07	13:00	1.511	0.532	0.120	53.689	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/4/07	14:00	1.48	0.501	0.103	46.309	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/4/07	15:00	1.519	0.540	0.124	55.701	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/4/07	16:00	1.515	0.536	0.122	54.690	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/4/07	17:00	1.512	0.533	0.120	53.939	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/4/07	18:00	1.51	0.531	0.119	53.441	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/4/07	19:00	1.572	0.593	0.156	70.169	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/4/07	20:00	1.597	0.618	0.173	77.699	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/4/07	21:00	1.592	0.613	0.170	76.156	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/4/07	22:00	1.589	0.610	0.168	75.239	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/4/07	23:00	1.588	0.609	0.167	74.935	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/5/07	0:00	1.59	0.611	0.168	75.544	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/5/07	1:00	1.59	0.611	0.168	75.544	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/5/07	2:00	1.587	0.608	0.166	74.632	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/5/07	3:00	1.589	0.610	0.168	75.239	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/5/07	4:00	1.584	0.605	0.164	73.726	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/5/07	5:00	1.581	0.602	0.162	72.827	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/5/07	6:00	1.579	0.600	0.161	72.231	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/5/07	7:00	1.576	0.597	0.159	71.343	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/5/07	8:00	1.576	0.597	0.159	71.343	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/5/07 9:00		1.571	0.592	0.156	69.878	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/5/07 10:00		1.565	0.586	0.152	68.143	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/5/07 11:00		1.553	0.574	0.144	64.752	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/5/07 12:00		1.531	0.552	0.131	58.802	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/5/07 13:00		1.516	0.537	0.122	54.942	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/5/07 14:00		1.503	0.524	0.115	51.722	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/5/07 15:00		1.479	0.500	0.103	46.082	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/5/07 16:00		1.492	0.513	0.109	49.088	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/5/07 17:00		1.476	0.497	0.101	45.404	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/5/07 18:00		1.469	0.490	0.098	43.846	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/5/07 19:00		1.469	0.490	0.098	43.846	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/5/07 20:00		1.475	0.496	0.101	45.180	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/5/07 21:00		1.488	0.509	0.107	48.151	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/5/07 22:00		1.496	0.517	0.111	50.037	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/5/07 23:00		1.507	0.528	0.117	52.700	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/6/07 0:00		1.513	0.534	0.121	54.188	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/6/07 1:00		1.522	0.543	0.126	56.467	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/6/07 2:00		1.526	0.547	0.128	57.498	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/6/07 3:00		1.53	0.551	0.130	58.540	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/6/07 4:00		1.53	0.551	0.130	58.540	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/6/07 5:00		1.537	0.558	0.135	60.391	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/6/07 6:00		1.539	0.560	0.136	60.926	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/6/07 7:00		1.541	0.562	0.137	61.464	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/6/07 8:00		1.534	0.555	0.133	59.593	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/6/07 9:00		1.51	0.531	0.119	53.441	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/6/07 10:00		1.499	0.520	0.113	50.755	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/6/07 11:00		1.511	0.532	0.120	53.689	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/6/07 12:00		1.494	0.515	0.110	49.561	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/6/07 13:00		1.511	0.532	0.120	53.689	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/6/07 14:00		1.456	0.477	0.091	41.039	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/6/07 15:00		1.429	0.450	0.079	35.561	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/6/07 16:00		1.417	0.438	0.074	33.276	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/6/07 17:00		1.396	0.417	0.066	29.494	1.357	0.026	0.007924	0.002240	0.079118	35.508

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/6/07	18:00	1.389	0.410	0.063	28.293	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/6/07	19:00	1.405	0.426	0.069	31.081	1.35	0.019	0.005790	0.001486	0.052516	23.570
6/6/07	20:00	1.407	0.428	0.070	31.441	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/6/07	21:00	1.421	0.442	0.076	34.027	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/6/07	22:00	1.422	0.443	0.076	34.217	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/6/07	23:00	1.429	0.450	0.079	35.561	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/7/07	0:00	1.449	0.470	0.088	39.573	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/7/07	1:00	1.444	0.465	0.086	38.546	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/7/07	2:00	1.446	0.467	0.087	38.955	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/7/07	3:00	1.451	0.472	0.089	39.989	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/7/07	4:00	1.439	0.460	0.084	37.535	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/7/07	5:00	1.446	0.467	0.087	38.955	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/7/07	6:00	1.443	0.464	0.085	38.343	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/7/07	7:00	1.443	0.464	0.085	38.343	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/7/07	8:00	1.453	0.474	0.090	40.407	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/7/07	9:00	1.5	0.521	0.114	50.996	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/7/07	10:00	1.493	0.514	0.110	49.324	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/7/07	11:00	1.466	0.487	0.096	43.188	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/7/07	12:00	1.462	0.483	0.094	42.321	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/7/07	13:00	1.435	0.456	0.082	36.738	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/7/07	14:00	1.422	0.443	0.076	34.217	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/7/07	15:00	1.423	0.444	0.077	34.407	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/7/07	16:00	1.405	0.426	0.069	31.081	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/7/07	17:00	1.408	0.429	0.070	31.621	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/7/07	18:00	1.389	0.410	0.063	28.293	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/7/07	19:00	1.409	0.430	0.071	31.803	1.352	0.021	0.006400	0.001691	0.059744	26.813
6/7/07	20:00	1.389	0.410	0.063	28.293	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/7/07	21:00	1.445	0.466	0.086	38.750	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/7/07	22:00	1.401	0.422	0.068	30.369	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/7/07	23:00	1.447	0.468	0.087	39.161	1.35	0.019	0.005790	0.001486	0.052516	23.570
6/8/07	0:00	1.428	0.449	0.079	35.367	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/8/07	1:00	1.448	0.469	0.088	39.367	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/8/07	2:00	1.448	0.469	0.088	39.367	1.352	0.021	0.006400	0.001691	0.059744	26.813

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/8/07	3:00	1.457	0.478	0.092	41.251	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/8/07	4:00	1.461	0.482	0.094	42.106	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/8/07	5:00	1.468	0.489	0.097	43.626	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/8/07	6:00	1.475	0.496	0.101	45.180	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/8/07	7:00	1.475	0.496	0.101	45.180	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/8/07	8:00	1.484	0.505	0.105	47.225	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/8/07	9:00	1.484	0.505	0.105	47.225	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/8/07	10:00	1.484	0.505	0.105	47.225	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/8/07	11:00	1.445	0.466	0.086	38.750	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/8/07	12:00	1.455	0.476	0.091	40.828	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/8/07	13:00	1.439	0.460	0.084	37.535	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/8/07	14:00	1.428	0.449	0.079	35.367	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/8/07	15:00	1.408	0.429	0.070	31.621	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/8/07	16:00	1.416	0.437	0.074	33.089	1.35	0.019	0.005790	0.001486	0.052516	23.570
6/8/07	17:00	1.407	0.428	0.070	31.441	1.35	0.019	0.005790	0.001486	0.052516	23.570
6/8/07	18:00	1.407	0.428	0.070	31.441	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/8/07	19:00	1.414	0.435	0.073	32.719	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/8/07	20:00	1.421	0.442	0.076	34.027	1.352	0.021	0.006400	0.001691	0.059744	26.813
6/8/07	21:00	1.428	0.449	0.079	35.367	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/8/07	22:00	1.437	0.458	0.083	37.135	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/8/07	23:00	1.445	0.466	0.086	38.750	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/9/07	0:00	1.454	0.475	0.091	40.617	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/9/07	1:00	1.458	0.479	0.092	41.464	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/9/07	2:00	1.47	0.491	0.098	44.067	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/9/07	3:00	1.474	0.495	0.100	44.956	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/9/07	4:00	1.481	0.502	0.104	46.537	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/9/07	5:00	1.483	0.504	0.105	46.995	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/9/07	6:00	1.487	0.508	0.107	47.919	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/9/07	7:00	1.487	0.508	0.107	47.919	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/9/07	8:00	1.489	0.510	0.108	48.384	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/9/07	9:00	1.494	0.515	0.110	49.561	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/9/07	10:00	1.4	0.421	0.067	30.193	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/9/07	11:00	1.403	0.424	0.068	30.724	1.36	0.029	0.008838	0.002593	0.091584	41.103

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/9/07	12:00	1.399	0.420	0.067	30.017	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/9/07	13:00	1.367	0.388	0.055	24.714	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/9/07	14:00	1.372	0.393	0.057	25.502	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/9/07	15:00	1.364	0.385	0.054	24.248	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/9/07	16:00	1.381	0.402	0.060	26.958	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/9/07	17:00	1.373	0.394	0.057	25.661	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/9/07	18:00	1.375	0.396	0.058	25.982	1.352	0.021	0.006400	0.001691	0.059744	26.813
6/9/07	19:00	1.378	0.399	0.059	26.467	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/9/07	20:00	1.385	0.406	0.062	27.621	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/9/07	21:00	1.389	0.410	0.063	28.293	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/9/07	22:00	1.388	0.409	0.063	28.124	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/9/07	23:00	1.392	0.413	0.064	28.804	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/10/07	0:00	1.406	0.427	0.070	31.260	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/10/07	1:00	1.41	0.431	0.071	31.985	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/10/07	2:00	1.426	0.447	0.078	34.981	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	3:00	1.423	0.444	0.077	34.407	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/10/07	4:00	1.428	0.449	0.079	35.367	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/10/07	5:00	1.453	0.474	0.090	40.407	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	6:00	1.446	0.467	0.087	38.955	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/10/07	7:00	1.446	0.467	0.087	38.955	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	8:00	1.415	0.436	0.073	32.904	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	9:00	1.412	0.433	0.072	32.350	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/10/07	10:00	1.399	0.420	0.067	30.017	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/10/07	11:00	1.366	0.387	0.055	24.558	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	12:00	1.31	0.331	0.037	16.752	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	13:00	1.266	0.287	0.026	11.831	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/10/07	14:00	1.253	0.274	0.024	10.569	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/10/07	15:00	1.249	0.270	0.023	10.198	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/10/07	16:00	1.269	0.290	0.027	12.134	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/10/07	17:00	1.26	0.281	0.025	11.238	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/10/07	18:00	1.273	0.294	0.028	12.546	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/10/07	19:00	1.287	0.308	0.031	14.052	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/10/07	20:00	1.308	0.329	0.037	16.506	1.358	0.027	0.008229	0.002355	0.083206	37.343

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/10/07	21:00	1.307	0.328	0.037	16.384	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	22:00	1.309	0.330	0.037	16.629	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/10/07	23:00	1.325	0.346	0.042	18.669	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/11/07	0:00	1.327	0.348	0.042	18.934	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/11/07	1:00	1.333	0.354	0.044	19.743	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/11/07	2:00	1.338	0.359	0.046	20.432	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/11/07	3:00	1.349	0.370	0.049	21.999	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/11/07	4:00	1.367	0.388	0.055	24.714	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/11/07	5:00	1.381	0.402	0.060	26.958	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/11/07	6:00	1.397	0.418	0.066	29.668	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/11/07	7:00	1.402	0.423	0.068	30.546	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/11/07	8:00	1.409	0.430	0.071	31.803	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/11/07	9:00	1.411	0.432	0.072	32.167	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/11/07	10:00	1.425	0.446	0.078	34.789	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/11/07	11:00	1.376	0.397	0.058	26.143	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/11/07	12:00	1.323	0.344	0.041	18.406	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/11/07	13:00	1.279	0.300	0.029	13.179	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/11/07	14:00	1.498	0.519	0.113	50.515	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/11/07	15:00	1.459	0.480	0.093	41.677	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/11/07	16:00	1.423	0.444	0.077	34.407	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/11/07	17:00	1.438	0.459	0.083	37.335	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/11/07	18:00	1.434	0.455	0.081	36.540	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/11/07	19:00	1.422	0.443	0.076	34.217	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/11/07	20:00	1.422	0.443	0.076	34.217	1.352	0.021	0.006400	0.001691	0.059744	26.813
6/11/07	21:00	1.428	0.449	0.079	35.367	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/11/07	22:00	1.442	0.463	0.085	38.140	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/11/07	23:00	1.45	0.471	0.089	39.781	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/12/07	0:00	1.462	0.483	0.094	42.321	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/12/07	1:00	1.468	0.489	0.097	43.626	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/12/07	2:00	1.477	0.498	0.102	45.629	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/12/07	3:00	1.486	0.507	0.106	47.687	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/12/07	4:00	1.488	0.509	0.107	48.151	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/12/07	5:00	1.494	0.515	0.110	49.561	1.356	0.025	0.007619	0.002126	0.075100	33.705

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/12/07	6:00	1.496	0.517	0.111	50.037	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/12/07	7:00	1.5	0.521	0.114	50.996	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/12/07	8:00	1.5	0.521	0.114	50.996	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/12/07	9:00	1.493	0.514	0.110	49.324	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/12/07	10:00	1.482	0.503	0.104	46.766	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/12/07	11:00	1.489	0.510	0.108	48.384	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/12/07	12:00	1.429	0.450	0.079	35.561	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/12/07	13:00	1.462	0.483	0.094	42.321	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/12/07	14:00	1.43	0.451	0.080	35.755	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/12/07	15:00	1.441	0.462	0.085	37.937	1.349	0.018	0.005486	0.001387	0.049021	22.001
6/12/07	16:00	1.43	0.451	0.080	35.755	1.353	0.022	0.006705	0.001797	0.063472	28.487
6/12/07	17:00	1.419	0.440	0.075	33.650	1.35	0.019	0.005790	0.001486	0.052516	23.570
6/12/07	18:00	1.407	0.428	0.070	31.441	1.351	0.02	0.006095	0.001588	0.056091	25.174
6/12/07	19:00	1.405	0.426	0.069	31.081	1.352	0.021	0.006400	0.001691	0.059744	26.813
6/12/07	20:00	1.442	0.463	0.085	38.140	1.35	0.019	0.005790	0.001486	0.052516	23.570
6/12/07	21:00	1.444	0.465	0.086	38.546	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/12/07	22:00	1.451	0.472	0.089	39.989	1.354	0.023	0.007010	0.001904	0.067276	30.194
6/12/07	23:00	1.457	0.478	0.092	41.251	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/13/07	0:00	1.466	0.487	0.096	43.188	1.355	0.024	0.007314	0.002014	0.071152	31.933
6/13/07	1:00	1.475	0.496	0.101	45.180	1.356	0.025	0.007619	0.002126	0.075100	33.705
6/13/07	2:00	1.479	0.500	0.103	46.082	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/13/07	3:00	1.486	0.507	0.106	47.687	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/13/07	4:00	1.488	0.509	0.107	48.151	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/13/07	5:00	1.492	0.513	0.109	49.088	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/13/07	6:00	1.496	0.517	0.111	50.037	1.36	0.029	0.008838	0.002593	0.091584	41.103
6/13/07	7:00	1.503	0.524	0.115	51.722	1.357	0.026	0.007924	0.002240	0.079118	35.508
6/13/07	8:00	1.503	0.524	0.115	51.722	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/13/07	9:00	1.501	0.522	0.114	51.237	1.361	0.03	0.009143	0.002714	0.095872	43.028
6/13/07	10:00	1.496	0.517	0.111	50.037	1.359	0.028	0.008533	0.002473	0.087361	39.208
6/13/07	11:00	1.498	0.519	0.113	50.515	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/13/07	12:00	1.712	0.733	0.264	118.468	1.358	0.027	0.008229	0.002355	0.083206	37.343
6/13/07	13:00	2.13	1.151	0.808	362.583	1.388	0.057	0.017372	0.006617	0.233714	104.891
6/13/07	14:00	2.054	1.075	0.682	306.021	1.524	0.193	0.058823	0.038885	1.373422	616.392

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/13/07	15:00	2.306	1.327	1.150	516.339	1.489	0.158	0.048156	0.028961	1.022923	459.088
6/13/07	16:00	2.097	1.118	0.752	337.316	1.616	0.285	0.086863	0.069221	2.444886	1097.265
6/13/07	17:00	1.982	1.003	0.574	257.655	1.497	0.166	0.050594	0.031143	1.099980	493.671
6/13/07	18:00	1.923	0.944	0.494	221.684	1.459	0.128	0.039012	0.021268	0.751200	337.139
6/13/07	19:00	1.818	0.839	0.369	165.506	1.429	0.098	0.029868	0.014411	0.509013	228.445
6/13/07	20:00	1.743	0.764	0.292	131.254	1.404	0.073	0.022249	0.009419	0.332696	149.314
6/13/07	21:00	1.693	0.714	0.247	111.016	1.392	0.061	0.018591	0.007286	0.257360	115.503
6/13/07	22:00	1.667	0.688	0.226	101.286	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/13/07	23:00	1.651	0.672	0.213	95.563	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/14/07	0:00	1.641	0.662	0.205	92.087	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/14/07	1:00	1.641	0.662	0.205	92.087	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/14/07	2:00	1.643	0.664	0.207	92.776	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/14/07	3:00	1.631	0.652	0.198	88.688	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/14/07	4:00	1.622	0.643	0.191	85.694	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/14/07	5:00	1.617	0.638	0.187	84.057	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/14/07	6:00	1.614	0.635	0.185	83.085	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/14/07	7:00	1.61	0.631	0.182	81.798	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/14/07	8:00	1.605	0.626	0.179	80.206	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/14/07	9:00	1.603	0.624	0.177	79.575	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/14/07	10:00	1.601	0.622	0.176	78.947	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/14/07	11:00	1.588	0.609	0.167	74.935	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/14/07	12:00	1.561	0.582	0.149	67.001	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/14/07	13:00	1.558	0.579	0.147	66.152	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/14/07	14:00	1.538	0.559	0.135	60.658	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/14/07	15:00	1.533	0.554	0.132	59.329	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/14/07	16:00	1.493	0.514	0.110	49.324	1.388	0.057	0.017372	0.006617	0.233714	104.891
6/14/07	17:00	1.497	0.518	0.112	50.275	1.394	0.063	0.019201	0.007629	0.269465	120.936
6/14/07	18:00	1.552	0.573	0.144	64.474	1.395	0.064	0.019506	0.007802	0.275586	123.683
6/14/07	19:00	1.561	0.582	0.149	67.001	1.392	0.061	0.018591	0.007286	0.257360	115.503
6/14/07	20:00	1.525	0.546	0.128	57.239	1.389	0.058	0.017677	0.006782	0.239554	107.512
6/14/07	21:00	1.545	0.566	0.139	62.549	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/14/07	22:00	1.549	0.570	0.142	63.644	1.387	0.056	0.017067	0.006453	0.227923	102.292
6/14/07	23:00	1.565	0.586	0.152	68.143	1.379	0.048	0.014629	0.005191	0.183377	82.300

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/15/07	0:00	1.555	0.576	0.146	65.310	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/15/07	1:00	1.554	0.575	0.145	65.030	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/15/07	2:00	1.556	0.577	0.146	65.590	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/15/07	3:00	1.558	0.579	0.147	66.152	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/15/07	4:00	1.559	0.580	0.148	66.434	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/15/07	5:00	1.559	0.580	0.148	66.434	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/15/07	6:00	1.563	0.584	0.151	67.571	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/15/07	7:00	1.563	0.584	0.151	67.571	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/15/07	8:00	1.565	0.586	0.152	68.143	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/15/07	9:00	1.566	0.587	0.152	68.430	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/15/07	10:00	1.554	0.575	0.145	65.030	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/15/07	11:00	1.531	0.552	0.131	58.802	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/15/07	12:00	1.528	0.549	0.129	58.018	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/15/07	13:00	1.489	0.510	0.108	48.384	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/15/07	14:00	1.472	0.493	0.099	44.510	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/15/07	15:00	1.46	0.481	0.093	41.891	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/15/07	16:00	1.452	0.473	0.090	40.198	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/15/07	17:00	1.455	0.476	0.091	40.828	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/15/07	18:00	1.453	0.474	0.090	40.407	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/15/07	19:00	1.455	0.476	0.091	40.828	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/15/07	20:00	1.511	0.532	0.120	53.689	1.386	0.055	0.016763	0.006290	0.222180	99.714
6/15/07	21:00	1.499	0.520	0.113	50.755	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/15/07	22:00	1.5	0.521	0.114	50.996	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/15/07	23:00	1.511	0.532	0.120	53.689	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/16/07	0:00	1.517	0.538	0.123	55.194	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/16/07	1:00	1.521	0.542	0.125	56.211	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/16/07	2:00	1.527	0.548	0.129	57.757	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/16/07	3:00	1.531	0.552	0.131	58.802	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/16/07	4:00	1.533	0.554	0.132	59.329	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/16/07	5:00	1.537	0.558	0.135	60.391	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/16/07	6:00	1.543	0.564	0.138	62.005	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/16/07	7:00	1.545	0.566	0.139	62.549	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/16/07	8:00	1.545	0.566	0.139	62.549	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/16/07	9:00	1.545	0.566	0.139	62.549	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/16/07	10:00	1.55	0.571	0.142	63.920	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/16/07	11:00	1.539	0.560	0.136	60.926	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/16/07	12:00	1.523	0.544	0.126	56.724	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/16/07	13:00	1.501	0.522	0.114	51.237	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/16/07	14:00	1.484	0.505	0.105	47.225	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/16/07	15:00	1.474	0.495	0.100	44.956	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/16/07	16:00	1.463	0.484	0.095	42.537	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/16/07	17:00	1.46	0.481	0.093	41.891	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/16/07	18:00	1.456	0.477	0.091	41.039	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/16/07	19:00	1.458	0.479	0.092	41.464	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/16/07	20:00	1.462	0.483	0.094	42.321	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/16/07	21:00	1.471	0.492	0.099	44.288	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/16/07	22:00	1.484	0.505	0.105	47.225	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/16/07	23:00	1.497	0.518	0.112	50.275	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/17/07	0:00	1.505	0.526	0.116	52.210	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/17/07	1:00	1.514	0.535	0.121	54.439	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/17/07	2:00	1.523	0.544	0.126	56.724	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/17/07	3:00	1.529	0.550	0.130	58.278	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/17/07	4:00	1.531	0.552	0.131	58.802	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/17/07	5:00	1.535	0.556	0.133	59.859	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/17/07	6:00	1.541	0.562	0.137	61.464	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/17/07	7:00	1.546	0.567	0.140	62.821	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/17/07	8:00	1.548	0.569	0.141	63.369	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/17/07	9:00	1.515	0.536	0.122	54.690	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/17/07	10:00	1.459	0.480	0.093	41.677	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/17/07	11:00	1.525	0.546	0.128	57.239	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/17/07	12:00	1.512	0.533	0.120	53.939	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/17/07	13:00	1.498	0.519	0.113	50.515	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/17/07	14:00	1.492	0.513	0.109	49.088	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/17/07	15:00	1.517	0.538	0.123	55.194	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/17/07	16:00	1.457	0.478	0.092	41.251	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/17/07	17:00	1.469	0.490	0.098	43.846	1.379	0.048	0.014629	0.005191	0.183377	82.300

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/17/07	18:00	1.483	0.504	0.105	46.995	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/17/07	19:00	1.462	0.483	0.094	42.321	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/17/07	20:00	1.457	0.478	0.092	41.251	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/17/07	21:00	1.472	0.493	0.099	44.510	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/17/07	22:00	1.472	0.493	0.099	44.510	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/17/07	23:00	1.481	0.502	0.104	46.537	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/18/07	0:00	1.501	0.522	0.114	51.237	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/18/07	1:00	1.473	0.494	0.100	44.732	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/18/07	2:00	1.496	0.517	0.111	50.037	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/18/07	3:00	1.512	0.533	0.120	53.939	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/18/07	4:00	1.521	0.542	0.125	56.211	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/18/07	5:00	1.548	0.569	0.141	63.369	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/18/07	6:00	1.536	0.557	0.134	60.124	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/18/07	7:00	1.538	0.559	0.135	60.658	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/18/07	8:00	1.538	0.559	0.135	60.658	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/18/07	9:00	1.522	0.543	0.126	56.467	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/18/07	10:00	1.515	0.536	0.122	54.690	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/18/07	11:00	1.513	0.534	0.121	54.188	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/18/07	12:00	1.529	0.550	0.130	58.278	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/18/07	13:00	1.529	0.550	0.130	58.278	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/18/07	14:00	1.533	0.554	0.132	59.329	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/18/07	15:00	1.541	0.562	0.137	61.464	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/18/07	16:00	1.525	0.546	0.128	57.239	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/18/07	17:00	1.507	0.528	0.117	52.700	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/18/07	18:00	1.502	0.523	0.115	51.479	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/18/07	19:00	1.49	0.511	0.108	48.618	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/18/07	20:00	1.511	0.532	0.120	53.689	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/18/07	21:00	1.504	0.525	0.116	51.966	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/18/07	22:00	1.506	0.527	0.117	52.455	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/18/07	23:00	1.511	0.532	0.120	53.689	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/19/07	0:00	1.508	0.529	0.118	52.947	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/19/07	1:00	1.531	0.552	0.131	58.802	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/19/07	2:00	1.517	0.538	0.123	55.194	1.372	0.041	0.012496	0.004165	0.147140	66.037

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/19/07	3:00	1.521	0.542	0.125	56.211	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/19/07	4:00	1.526	0.547	0.128	57.498	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/19/07	5:00	1.523	0.544	0.126	56.724	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/19/07	6:00	1.523	0.544	0.126	56.724	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/19/07	7:00	1.53	0.551	0.130	58.540	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/19/07	8:00	1.527	0.548	0.129	57.757	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/19/07	9:00	1.525	0.546	0.128	57.239	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/19/07	10:00	1.52	0.541	0.125	55.956	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/19/07	11:00	1.514	0.535	0.121	54.439	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/19/07	12:00	1.493	0.514	0.110	49.324	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/19/07	13:00	1.472	0.493	0.099	44.510	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/19/07	14:00	1.444	0.465	0.086	38.546	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/19/07	15:00	1.449	0.470	0.088	39.573	1.362	0.031	0.009448	0.002837	0.100226	44.982
6/19/07	16:00	1.45	0.471	0.089	39.781	1.363	0.032	0.009753	0.002962	0.104643	46.964
6/19/07	17:00	1.451	0.472	0.089	39.989	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/19/07	18:00	1.444	0.465	0.086	38.546	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/19/07	19:00	1.435	0.456	0.082	36.738	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/19/07	20:00	1.442	0.463	0.085	38.140	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/19/07	21:00	1.446	0.467	0.087	38.955	1.364	0.033	0.010057	0.003089	0.109124	48.975
6/19/07	22:00	1.457	0.478	0.092	41.251	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/19/07	23:00	1.445	0.466	0.086	38.750	1.366	0.035	0.010667	0.003348	0.118271	53.080
6/20/07	0:00	1.466	0.487	0.096	43.188	1.365	0.034	0.010362	0.003218	0.113667	51.014
6/20/07	1:00	1.475	0.496	0.101	45.180	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/20/07	2:00	1.489	0.510	0.108	48.384	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/20/07	3:00	1.505	0.526	0.116	52.210	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/20/07	4:00	1.5	0.521	0.114	50.996	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/20/07	5:00	1.507	0.528	0.117	52.700	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/20/07	6:00	1.514	0.535	0.121	54.439	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/20/07	7:00	1.516	0.537	0.122	54.942	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/20/07	8:00	1.513	0.534	0.121	54.188	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/20/07	9:00	1.513	0.534	0.121	54.188	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/20/07	10:00	1.507	0.528	0.117	52.700	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/20/07	11:00	1.472	0.493	0.099	44.510	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/20/07	12:00	1.472	0.493	0.099	44.510	1.367	0.036	0.010972	0.003480	0.122935	55.174
6/20/07	13:00	1.47	0.491	0.098	44.067	1.368	0.037	0.011277	0.003614	0.127660	57.294
6/20/07	14:00	1.464	0.485	0.095	42.753	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/20/07	15:00	1.452	0.473	0.090	40.198	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/20/07	16:00	1.443	0.464	0.085	38.343	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/20/07	17:00	1.435	0.456	0.082	36.738	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/20/07	18:00	1.421	0.442	0.076	34.027	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/20/07	19:00	1.426	0.447	0.078	34.981	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/20/07	20:00	1.426	0.447	0.078	34.981	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/20/07	21:00	1.433	0.454	0.081	36.343	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/20/07	22:00	1.446	0.467	0.087	38.955	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/20/07	23:00	1.457	0.478	0.092	41.251	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/21/07	0:00	1.466	0.487	0.096	43.188	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/21/07	1:00	1.477	0.498	0.102	45.629	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/21/07	2:00	1.484	0.505	0.105	47.225	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/21/07	3:00	1.488	0.509	0.107	48.151	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	4:00	1.492	0.513	0.109	49.088	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/21/07	5:00	1.499	0.520	0.113	50.755	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	6:00	1.503	0.524	0.115	51.722	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	7:00	1.498	0.519	0.113	50.515	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/21/07	8:00	1.503	0.524	0.115	51.722	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/21/07	9:00	1.515	0.536	0.122	54.690	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	10:00	1.506	0.527	0.117	52.455	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	11:00	1.494	0.515	0.110	49.561	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	12:00	1.486	0.507	0.106	47.687	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/21/07	13:00	1.465	0.486	0.096	42.971	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/21/07	14:00	1.455	0.476	0.091	40.828	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/21/07	15:00	1.439	0.460	0.084	37.535	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/21/07	16:00	1.426	0.447	0.078	34.981	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/21/07	17:00	1.431	0.452	0.080	35.950	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/21/07	18:00	1.424	0.445	0.077	34.598	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/21/07	19:00	1.412	0.433	0.072	32.350	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/21/07	20:00	1.429	0.450	0.079	35.561	1.373	0.042	0.012800	0.004307	0.152153	68.287

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/21/07	21:00	1.435	0.456	0.082	36.738	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/21/07	22:00	1.449	0.470	0.088	39.573	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/21/07	23:00	1.455	0.476	0.091	40.828	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/22/07	0:00	1.464	0.485	0.095	42.753	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/22/07	1:00	1.468	0.489	0.097	43.626	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	2:00	1.473	0.494	0.100	44.732	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/22/07	3:00	1.479	0.500	0.103	46.082	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/22/07	4:00	1.488	0.509	0.107	48.151	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	5:00	1.49	0.511	0.108	48.618	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	6:00	1.502	0.523	0.115	51.479	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/22/07	7:00	1.506	0.527	0.117	52.455	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/22/07	8:00	1.501	0.522	0.114	51.237	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/22/07	9:00	1.506	0.527	0.117	52.455	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/22/07	10:00	1.511	0.532	0.120	53.689	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/22/07	11:00	1.5	0.521	0.114	50.996	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/22/07	12:00	1.491	0.512	0.109	48.853	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	13:00	1.473	0.494	0.100	44.732	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	14:00	1.455	0.476	0.091	40.828	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/22/07	15:00	1.442	0.463	0.085	38.140	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/22/07	16:00	1.421	0.442	0.076	34.027	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/22/07	17:00	1.427	0.448	0.078	35.174	1.369	0.038	0.011581	0.003749	0.132443	59.441
6/22/07	18:00	1.431	0.452	0.080	35.950	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/22/07	19:00	1.426	0.447	0.078	34.981	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	20:00	1.44	0.461	0.084	37.736	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	21:00	1.444	0.465	0.086	38.546	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/22/07	22:00	1.474	0.495	0.100	44.956	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/22/07	23:00	1.481	0.502	0.104	46.537	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/23/07	0:00	1.485	0.506	0.106	47.455	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/23/07	1:00	1.489	0.510	0.108	48.384	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/23/07	2:00	1.493	0.514	0.110	49.324	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/23/07	3:00	1.479	0.500	0.103	46.082	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/23/07	4:00	1.488	0.509	0.107	48.151	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/23/07	5:00	1.48	0.501	0.103	46.309	1.378	0.047	0.014324	0.005040	0.178039	79.904

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/23/07	6:00	1.513	0.534	0.121	54.188	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/23/07	7:00	1.515	0.536	0.122	54.690	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/23/07	8:00	1.529	0.550	0.130	58.278	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/23/07	9:00	1.529	0.550	0.130	58.278	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/23/07	10:00	1.524	0.545	0.127	56.981	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/23/07	11:00	1.515	0.536	0.122	54.690	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/23/07	12:00	1.513	0.534	0.121	54.188	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/23/07	13:00	1.51	0.531	0.119	53.441	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/23/07	14:00	1.504	0.525	0.116	51.966	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/23/07	15:00	1.49	0.511	0.108	48.618	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/23/07	16:00	1.481	0.502	0.104	46.537	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/23/07	17:00	1.472	0.493	0.099	44.510	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/23/07	18:00	1.473	0.494	0.100	44.732	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/23/07	19:00	1.461	0.482	0.094	42.106	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/23/07	20:00	1.445	0.466	0.086	38.750	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/23/07	21:00	1.454	0.475	0.091	40.617	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/23/07	22:00	1.472	0.493	0.099	44.510	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/23/07	23:00	1.484	0.505	0.105	47.225	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/24/07	0:00	1.492	0.513	0.109	49.088	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/24/07	1:00	1.497	0.518	0.112	50.275	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/24/07	2:00	1.496	0.517	0.111	50.037	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/24/07	3:00	1.505	0.526	0.116	52.210	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/24/07	4:00	1.51	0.531	0.119	53.441	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/24/07	5:00	1.514	0.535	0.121	54.439	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/24/07	6:00	1.519	0.540	0.124	55.701	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/24/07	7:00	1.509	0.530	0.119	53.194	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/24/07	8:00	1.516	0.537	0.122	54.942	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/24/07	9:00	1.521	0.542	0.125	56.211	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/24/07	10:00	1.526	0.547	0.128	57.498	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/24/07	11:00	1.526	0.547	0.128	57.498	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/24/07	12:00	1.519	0.540	0.124	55.701	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/24/07	13:00	1.503	0.524	0.115	51.722	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/24/07	14:00	1.488	0.509	0.107	48.151	1.381	0.05	0.015239	0.005498	0.194209	87.161

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/24/07	15:00	1.474	0.495	0.100	44.956	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/24/07	16:00	1.461	0.482	0.094	42.106	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/24/07	17:00	1.45	0.471	0.089	39.781	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/24/07	18:00	1.446	0.467	0.087	38.955	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/24/07	19:00	1.443	0.464	0.085	38.343	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/24/07	20:00	1.434	0.455	0.081	36.540	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/24/07	21:00	1.443	0.464	0.085	38.343	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/24/07	22:00	1.464	0.485	0.095	42.753	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/24/07	23:00	1.468	0.489	0.097	43.626	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	0:00	1.472	0.493	0.099	44.510	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/25/07	1:00	1.481	0.502	0.104	46.537	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/25/07	2:00	1.488	0.509	0.107	48.151	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/25/07	3:00	1.494	0.515	0.110	49.561	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/25/07	4:00	1.503	0.524	0.115	51.722	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	5:00	1.491	0.512	0.109	48.853	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/25/07	6:00	1.486	0.507	0.106	47.687	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/25/07	7:00	1.507	0.528	0.117	52.700	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	8:00	1.507	0.528	0.117	52.700	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	9:00	1.512	0.533	0.120	53.939	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	10:00	1.508	0.529	0.118	52.947	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	11:00	1.494	0.515	0.110	49.561	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/25/07	12:00	1.481	0.502	0.104	46.537	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/25/07	13:00	1.46	0.481	0.093	41.891	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/25/07	14:00	1.447	0.468	0.087	39.161	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/25/07	15:00	1.434	0.455	0.081	36.540	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/25/07	16:00	1.418	0.439	0.075	33.463	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/25/07	17:00	1.405	0.426	0.069	31.081	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/25/07	18:00	1.394	0.415	0.065	29.148	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/25/07	19:00	1.389	0.410	0.063	28.293	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/25/07	20:00	1.415	0.436	0.073	32.904	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/25/07	21:00	1.417	0.438	0.074	33.276	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/25/07	22:00	1.426	0.447	0.078	34.981	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/25/07	23:00	1.437	0.458	0.083	37.135	1.375	0.044	0.013410	0.004596	0.162345	72.860

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/26/07	0:00	1.443	0.464	0.085	38.343	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/26/07	1:00	1.457	0.478	0.092	41.251	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/26/07	2:00	1.461	0.482	0.094	42.106	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/26/07	3:00	1.465	0.486	0.096	42.971	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/26/07	4:00	1.46	0.481	0.093	41.891	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/26/07	5:00	1.462	0.483	0.094	42.321	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/26/07	6:00	1.469	0.490	0.098	43.846	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/26/07	7:00	1.483	0.504	0.105	46.995	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/26/07	8:00	1.499	0.520	0.113	50.755	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/26/07	9:00	1.504	0.525	0.116	51.966	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/26/07	10:00	1.497	0.518	0.112	50.275	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/26/07	11:00	1.474	0.495	0.100	44.956	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/26/07	12:00	1.465	0.486	0.096	42.971	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/26/07	13:00	1.449	0.470	0.088	39.573	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/26/07	14:00	1.445	0.466	0.086	38.750	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/26/07	15:00	1.434	0.455	0.081	36.540	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/26/07	16:00	1.416	0.437	0.074	33.089	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/26/07	17:00	1.405	0.426	0.069	31.081	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/26/07	18:00	1.406	0.427	0.070	31.260	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/26/07	19:00	1.411	0.432	0.072	32.167	1.37	0.039	0.011886	0.003886	0.137285	61.614
6/26/07	20:00	1.408	0.429	0.070	31.621	1.371	0.04	0.012191	0.004025	0.142184	63.812
6/26/07	21:00	1.417	0.438	0.074	33.276	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/26/07	22:00	1.429	0.450	0.079	35.561	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/26/07	23:00	1.442	0.463	0.085	38.140	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/27/07	0:00	1.451	0.472	0.089	39.989	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/27/07	1:00	1.455	0.476	0.091	40.828	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/27/07	2:00	1.464	0.485	0.095	42.753	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/27/07	3:00	1.463	0.484	0.095	42.537	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/27/07	4:00	1.47	0.491	0.098	44.067	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/27/07	5:00	1.477	0.498	0.102	45.629	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/27/07	6:00	1.483	0.504	0.105	46.995	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/27/07	7:00	1.49	0.511	0.108	48.618	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/27/07	8:00	1.49	0.511	0.108	48.618	1.38	0.049	0.014934	0.005344	0.188767	84.719

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/27/07	9:00	1.48	0.501	0.103	46.309	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/27/07	10:00	1.471	0.492	0.099	44.288	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/27/07	11:00	1.459	0.480	0.093	41.677	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/27/07	12:00	1.443	0.464	0.085	38.343	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/27/07	13:00	1.434	0.455	0.081	36.540	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/27/07	14:00	1.423	0.444	0.077	34.407	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/27/07	15:00	1.418	0.439	0.075	33.463	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/27/07	16:00	1.414	0.435	0.073	32.719	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/27/07	17:00	1.409	0.430	0.071	31.803	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/27/07	18:00	1.412	0.433	0.072	32.350	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/27/07	19:00	1.407	0.428	0.070	31.441	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/27/07	20:00	1.411	0.432	0.072	32.167	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/27/07	21:00	1.414	0.435	0.073	32.719	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/27/07	22:00	1.448	0.469	0.088	39.367	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/27/07	23:00	1.453	0.474	0.090	40.407	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/28/07	0:00	1.452	0.473	0.090	40.198	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/28/07	1:00	1.461	0.482	0.094	42.106	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/28/07	2:00	1.468	0.489	0.097	43.626	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/28/07	3:00	1.477	0.498	0.102	45.629	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/28/07	4:00	1.477	0.498	0.102	45.629	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/28/07	5:00	1.491	0.512	0.109	48.853	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/28/07	6:00	1.495	0.516	0.111	49.799	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/28/07	7:00	1.495	0.516	0.111	49.799	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/28/07	8:00	1.493	0.514	0.110	49.324	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/28/07	9:00	1.481	0.502	0.104	46.537	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/28/07	10:00	1.481	0.502	0.104	46.537	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/28/07	11:00	1.467	0.488	0.097	43.407	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/28/07	12:00	1.456	0.477	0.091	41.039	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/28/07	13:00	1.432	0.453	0.081	36.146	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/28/07	14:00	1.43	0.451	0.080	35.755	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/28/07	15:00	1.426	0.447	0.078	34.981	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/28/07	16:00	1.417	0.438	0.074	33.276	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/28/07	17:00	1.41	0.431	0.071	31.985	1.376	0.045	0.013715	0.004743	0.167522	75.184

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/28/07	18:00	1.394	0.415	0.065	29.148	1.374	0.043	0.013105	0.004451	0.157221	70.561
6/28/07	19:00	1.399	0.420	0.067	30.017	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/28/07	20:00	1.406	0.427	0.070	31.260	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/28/07	21:00	1.417	0.438	0.074	33.276	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/28/07	22:00	1.426	0.447	0.078	34.981	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/28/07	23:00	1.442	0.463	0.085	38.140	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/29/07	0:00	1.451	0.472	0.089	39.989	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/29/07	1:00	1.465	0.486	0.096	42.971	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/29/07	2:00	1.467	0.488	0.097	43.407	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/29/07	3:00	1.465	0.486	0.096	42.971	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/29/07	4:00	1.471	0.492	0.099	44.288	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/29/07	5:00	1.481	0.502	0.104	46.537	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/29/07	6:00	1.49	0.511	0.108	48.618	1.386	0.055	0.016763	0.006290	0.222180	99.714
6/29/07	7:00	1.487	0.508	0.107	47.919	1.385	0.054	0.016458	0.006129	0.216486	97.159
6/29/07	8:00	1.49	0.511	0.108	48.618	1.385	0.054	0.016458	0.006129	0.216486	97.159
6/29/07	9:00	1.497	0.518	0.112	50.275	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/29/07	10:00	1.497	0.518	0.112	50.275	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/29/07	11:00	1.485	0.506	0.106	47.455	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/29/07	12:00	1.469	0.490	0.098	43.846	1.385	0.054	0.016458	0.006129	0.216486	97.159
6/29/07	13:00	1.451	0.472	0.089	39.989	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/29/07	14:00	1.43	0.451	0.080	35.755	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/29/07	15:00	1.414	0.435	0.073	32.719	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/29/07	16:00	1.405	0.426	0.069	31.081	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/29/07	17:00	1.398	0.419	0.066	29.842	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/29/07	18:00	1.396	0.417	0.066	29.494	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/29/07	19:00	1.4	0.421	0.067	30.193	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/29/07	20:00	1.417	0.438	0.074	33.276	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/29/07	21:00	1.428	0.449	0.079	35.367	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/29/07	22:00	1.433	0.454	0.081	36.343	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/29/07	23:00	1.44	0.461	0.084	37.736	1.378	0.047	0.014324	0.005040	0.178039	79.904
6/30/07	0:00	1.446	0.467	0.087	38.955	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/30/07	1:00	1.455	0.476	0.091	40.828	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/30/07	2:00	1.462	0.483	0.094	42.321	1.381	0.05	0.015239	0.005498	0.194209	87.161

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
6/30/07	3:00	1.467	0.488	0.097	43.407	1.38	0.049	0.014934	0.005344	0.188767	84.719
6/30/07	4:00	1.474	0.495	0.100	44.956	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/30/07	5:00	1.478	0.499	0.102	45.855	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/30/07	6:00	1.483	0.504	0.105	46.995	1.383	0.052	0.015848	0.005811	0.205247	92.115
6/30/07	7:00	1.478	0.499	0.102	45.855	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/30/07	8:00	1.485	0.506	0.106	47.455	1.379	0.048	0.014629	0.005191	0.183377	82.300
6/30/07	9:00	1.494	0.515	0.110	49.561	1.384	0.053	0.016153	0.005969	0.210841	94.626
6/30/07	10:00	1.487	0.508	0.107	47.919	1.386	0.055	0.016763	0.006290	0.222180	99.714
6/30/07	11:00	1.474	0.495	0.100	44.956	1.385	0.054	0.016458	0.006129	0.216486	97.159
6/30/07	12:00	1.455	0.476	0.091	40.828	1.382	0.051	0.015544	0.005654	0.199702	89.627
6/30/07	13:00	1.434	0.455	0.081	36.540	1.381	0.05	0.015239	0.005498	0.194209	87.161
6/30/07	14:00	1.418	0.439	0.075	33.463	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/30/07	15:00	1.407	0.428	0.070	31.441	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/30/07	16:00	1.389	0.410	0.063	28.293	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/30/07	17:00	1.378	0.399	0.059	26.467	1.373	0.042	0.012800	0.004307	0.152153	68.287
6/30/07	18:00	1.376	0.397	0.058	26.143	1.372	0.041	0.012496	0.004165	0.147140	66.037
6/30/07	19:00	1.381	0.402	0.060	26.958	1.375	0.044	0.013410	0.004596	0.162345	72.860
6/30/07	20:00	1.385	0.406	0.062	27.621	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/30/07	21:00	1.392	0.413	0.064	28.804	1.377	0.046	0.014020	0.004891	0.172754	77.532
6/30/07	22:00	1.404	0.425	0.069	30.902	1.376	0.045	0.013715	0.004743	0.167522	75.184
6/30/07	23:00	1.417	0.438	0.074	33.276	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/1/07	0:00	1.433	0.454	0.081	36.343	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/1/07	1:00	1.438	0.459	0.083	37.335	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/1/07	2:00	1.447	0.468	0.087	39.161	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/1/07	3:00	1.463	0.484	0.095	42.537	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/1/07	4:00	1.458	0.479	0.092	41.464	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/1/07	5:00	1.472	0.493	0.099	44.510	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/1/07	6:00	1.474	0.495	0.100	44.956	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/1/07	7:00	1.476	0.497	0.101	45.404	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/1/07	8:00	1.49	0.511	0.108	48.618	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/1/07	9:00	1.485	0.506	0.106	47.455	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/1/07	10:00	1.492	0.513	0.109	49.088	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/1/07	11:00	1.476	0.497	0.101	45.404	1.388	0.057	0.017372	0.006617	0.233714	104.891

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/1/07	12:00	1.458	0.479	0.092	41.464	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/1/07	13:00	1.447	0.468	0.087	39.161	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/1/07	14:00	1.419	0.440	0.075	33.650	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/1/07	15:00	1.408	0.429	0.070	31.621	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/1/07	16:00	1.389	0.410	0.063	28.293	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/1/07	17:00	1.385	0.406	0.062	27.621	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/1/07	18:00	1.374	0.395	0.058	25.821	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/1/07	19:00	1.383	0.404	0.061	27.288	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/1/07	20:00	1.388	0.409	0.063	28.124	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/1/07	21:00	1.397	0.418	0.066	29.668	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/1/07	22:00	1.43	0.451	0.080	35.755	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/1/07	23:00	1.439	0.460	0.084	37.535	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/2/07	0:00	1.438	0.459	0.083	37.335	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/2/07	1:00	1.44	0.461	0.084	37.736	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/2/07	2:00	1.454	0.475	0.091	40.617	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/2/07	3:00	1.458	0.479	0.092	41.464	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/2/07	4:00	1.456	0.477	0.091	41.039	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/2/07	5:00	1.463	0.484	0.095	42.537	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/2/07	6:00	1.476	0.497	0.101	45.404	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/2/07	7:00	1.483	0.504	0.105	46.995	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/2/07	8:00	1.495	0.516	0.111	49.799	1.387	0.056	0.017067	0.006453	0.227923	102.292
7/2/07	9:00	1.493	0.514	0.110	49.324	1.389	0.058	0.017677	0.006782	0.239554	107.512
7/2/07	10:00	1.479	0.500	0.103	46.082	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/2/07	11:00	1.458	0.479	0.092	41.464	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/2/07	12:00	1.442	0.463	0.085	38.140	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/2/07	13:00	1.419	0.440	0.075	33.650	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/2/07	14:00	1.417	0.438	0.074	33.276	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/2/07	15:00	1.401	0.422	0.068	30.369	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/2/07	16:00	1.397	0.418	0.066	29.668	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/2/07	17:00	1.416	0.437	0.074	33.089	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/2/07	18:00	1.398	0.419	0.066	29.842	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/2/07	19:00	1.386	0.407	0.062	27.788	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/2/07	20:00	1.398	0.419	0.066	29.842	1.376	0.045	0.013715	0.004743	0.167522	75.184

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/2/07	21:00	1.409	0.430	0.071	31.803	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/2/07	22:00	1.423	0.444	0.077	34.407	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/2/07	23:00	1.451	0.472	0.089	39.989	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/3/07	0:00	1.453	0.474	0.090	40.407	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/3/07	1:00	1.45	0.471	0.089	39.781	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/3/07	2:00	1.448	0.469	0.088	39.367	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/3/07	3:00	1.464	0.485	0.095	42.753	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/3/07	4:00	1.47	0.491	0.098	44.067	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/3/07	5:00	1.487	0.508	0.107	47.919	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/3/07	6:00	1.486	0.507	0.106	47.687	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/3/07	7:00	1.493	0.514	0.110	49.324	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/3/07	8:00	1.488	0.509	0.107	48.151	1.386	0.055	0.016763	0.006290	0.222180	99.714
7/3/07	9:00	1.486	0.507	0.106	47.687	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/3/07	10:00	1.484	0.505	0.105	47.225	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/3/07	11:00	1.473	0.494	0.100	44.732	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/3/07	12:00	1.455	0.476	0.091	40.828	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/3/07	13:00	1.434	0.455	0.081	36.540	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/3/07	14:00	1.416	0.437	0.074	33.089	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/3/07	15:00	1.405	0.426	0.069	31.081	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/3/07	16:00	1.39	0.411	0.063	28.463	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/3/07	17:00	1.386	0.407	0.062	27.788	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/3/07	18:00	1.377	0.398	0.059	26.305	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/3/07	19:00	1.386	0.407	0.062	27.788	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/3/07	20:00	1.384	0.405	0.061	27.454	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/3/07	21:00	1.386	0.407	0.062	27.788	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/3/07	22:00	1.423	0.444	0.077	34.407	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/3/07	23:00	1.432	0.453	0.081	36.146	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/4/07	0:00	1.433	0.454	0.081	36.343	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/4/07	1:00	1.44	0.461	0.084	37.736	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/4/07	2:00	1.444	0.465	0.086	38.546	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/4/07	3:00	1.437	0.458	0.083	37.135	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/4/07	4:00	1.455	0.476	0.091	40.828	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/4/07	5:00	1.462	0.483	0.094	42.321	1.381	0.05	0.015239	0.005498	0.194209	87.161

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/4/07 6:00		1.462	0.483	0.094	42.321	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/4/07 7:00		1.469	0.490	0.098	43.846	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/4/07 8:00		1.492	0.513	0.109	49.088	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/4/07 9:00		1.49	0.511	0.108	48.618	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/4/07 10:00		1.471	0.492	0.099	44.288	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/4/07 11:00		1.457	0.478	0.092	41.251	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/4/07 12:00		1.42	0.441	0.075	33.838	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/4/07 13:00		1.39	0.411	0.063	28.463	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/4/07 14:00		1.401	0.422	0.068	30.369	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/4/07 15:00		1.392	0.413	0.064	28.804	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/4/07 16:00		1.379	0.400	0.059	26.630	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/4/07 17:00		1.375	0.396	0.058	25.982	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/4/07 18:00		1.354	0.375	0.051	22.734	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/4/07 19:00		1.356	0.377	0.051	23.032	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/4/07 20:00		1.363	0.384	0.054	24.094	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/4/07 21:00		1.368	0.389	0.055	24.870	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/4/07 22:00		1.384	0.405	0.061	27.454	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/4/07 23:00		1.385	0.406	0.062	27.621	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/5/07 0:00		1.408	0.429	0.070	31.621	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/5/07 1:00		1.419	0.440	0.075	33.650	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/5/07 2:00		1.433	0.454	0.081	36.343	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/5/07 3:00		1.449	0.470	0.088	39.573	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/5/07 4:00		1.453	0.474	0.090	40.407	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/5/07 5:00		1.452	0.473	0.090	40.198	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/5/07 6:00		1.452	0.473	0.090	40.198	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/5/07 7:00		1.484	0.505	0.105	47.225	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/5/07 8:00		1.482	0.503	0.104	46.766	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/5/07 9:00		1.477	0.498	0.102	45.629	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/5/07 10:00		1.482	0.503	0.104	46.766	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/5/07 11:00		1.459	0.480	0.093	41.677	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/5/07 12:00		1.443	0.464	0.085	38.343	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/5/07 13:00		1.425	0.446	0.078	34.789	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/5/07 14:00		1.407	0.428	0.070	31.441	1.378	0.047	0.014324	0.005040	0.178039	79.904

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/5/07	15:00	1.389	0.410	0.063	28.293	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/5/07	16:00	1.374	0.395	0.058	25.821	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/5/07	17:00	1.363	0.384	0.054	24.094	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/5/07	18:00	1.358	0.379	0.052	23.333	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/5/07	19:00	1.361	0.382	0.053	23.788	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/5/07	20:00	1.365	0.386	0.054	24.403	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/5/07	21:00	1.377	0.398	0.059	26.305	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/5/07	22:00	1.39	0.411	0.063	28.463	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/5/07	23:00	1.402	0.423	0.068	30.546	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/6/07	0:00	1.413	0.434	0.072	32.534	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/6/07	1:00	1.424	0.445	0.077	34.598	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/6/07	2:00	1.433	0.454	0.081	36.343	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/6/07	3:00	1.439	0.460	0.084	37.535	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/6/07	4:00	1.443	0.464	0.085	38.343	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/6/07	5:00	1.443	0.464	0.085	38.343	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/6/07	6:00	1.45	0.471	0.089	39.781	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/6/07	7:00	1.442	0.463	0.085	38.140	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/6/07	8:00	1.454	0.475	0.091	40.617	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/6/07	9:00	1.452	0.473	0.090	40.198	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/6/07	10:00	1.421	0.442	0.076	34.027	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/6/07	11:00	1.429	0.450	0.079	35.561	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/6/07	12:00	1.432	0.453	0.081	36.146	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/6/07	13:00	1.409	0.430	0.071	31.803	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/6/07	14:00	1.393	0.414	0.065	28.976	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/6/07	15:00	1.373	0.394	0.057	25.661	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/6/07	16:00	1.355	0.376	0.051	22.883	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/6/07	17:00	1.358	0.379	0.052	23.333	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/6/07	18:00	1.349	0.370	0.049	21.999	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/6/07	19:00	1.346	0.367	0.048	21.565	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/6/07	20:00	1.353	0.374	0.050	22.586	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/6/07	21:00	1.36	0.381	0.053	23.636	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/6/07	22:00	1.374	0.395	0.058	25.821	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/6/07	23:00	1.387	0.408	0.062	27.956	1.373	0.042	0.012800	0.004307	0.152153	68.287

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/7/07	0:00	1.399	0.420	0.067	30.017	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/7/07	1:00	1.391	0.412	0.064	28.633	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/7/07	2:00	1.416	0.437	0.074	33.089	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/7/07	3:00	1.418	0.439	0.075	33.463	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/7/07	4:00	1.422	0.443	0.076	34.217	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/7/07	5:00	1.427	0.448	0.078	35.174	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/7/07	6:00	1.464	0.485	0.095	42.753	1.383	0.052	0.015848	0.005811	0.205247	92.115
7/7/07	7:00	1.438	0.459	0.083	37.335	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/7/07	8:00	1.431	0.452	0.080	35.950	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/7/07	9:00	1.426	0.447	0.078	34.981	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/7/07	10:00	1.431	0.452	0.080	35.950	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/7/07	11:00	1.422	0.443	0.076	34.217	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/7/07	12:00	1.406	0.427	0.070	31.260	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/7/07	13:00	1.407	0.428	0.070	31.441	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/7/07	14:00	1.387	0.408	0.062	27.956	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/7/07	15:00	1.357	0.378	0.052	23.182	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/7/07	16:00	1.367	0.388	0.055	24.714	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/7/07	17:00	1.358	0.379	0.052	23.333	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/7/07	18:00	1.354	0.375	0.051	22.734	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/7/07	19:00	1.345	0.366	0.048	21.421	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/7/07	20:00	1.342	0.363	0.047	20.994	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/7/07	21:00	1.342	0.363	0.047	20.994	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/7/07	22:00	1.36	0.381	0.053	23.636	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/7/07	23:00	1.355	0.376	0.051	22.883	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/8/07	0:00	1.373	0.394	0.057	25.661	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/8/07	1:00	1.422	0.443	0.076	34.217	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/8/07	2:00	1.445	0.466	0.086	38.750	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/8/07	3:00	1.435	0.456	0.082	36.738	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/8/07	4:00	1.432	0.453	0.081	36.146	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/8/07	5:00	1.436	0.457	0.082	36.936	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/8/07	6:00	1.441	0.462	0.085	37.937	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/8/07	7:00	1.459	0.480	0.093	41.677	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/8/07	8:00	1.456	0.477	0.091	41.039	1.375	0.044	0.013410	0.004596	0.162345	72.860

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/8/07 9:00		1.431	0.452	0.080	35.950	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/8/07 10:00		1.429	0.450	0.079	35.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/8/07 11:00		1.434	0.455	0.081	36.540	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/8/07 12:00		1.43	0.451	0.080	35.755	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/8/07 13:00		1.429	0.450	0.079	35.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/8/07 14:00		1.688	0.709	0.243	109.103	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/8/07 15:00		1.418	0.439	0.075	33.463	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/8/07 16:00		1.353	0.374	0.050	22.586	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/8/07 17:00		1.448	0.469	0.088	39.367	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/8/07 18:00		1.443	0.464	0.085	38.343	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/8/07 19:00		1.432	0.453	0.081	36.146	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/8/07 20:00		1.422	0.443	0.076	34.217	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/8/07 21:00		1.443	0.464	0.085	38.343	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/8/07 22:00		1.464	0.485	0.095	42.753	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/8/07 23:00		1.524	0.545	0.127	56.981	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/9/07 0:00		1.54	0.561	0.136	61.195	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/9/07 1:00		1.511	0.532	0.120	53.689	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/9/07 2:00		1.492	0.513	0.109	49.088	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/9/07 3:00		1.515	0.536	0.122	54.690	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/9/07 4:00		1.475	0.496	0.101	45.180	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/9/07 5:00		1.524	0.545	0.127	56.981	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/9/07 6:00		1.582	0.603	0.163	73.126	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/9/07 7:00		1.61	0.631	0.182	81.798	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/9/07 8:00		1.556	0.577	0.146	65.590	1.388	0.057	0.017372	0.006617	0.233714	104.891
7/9/07 9:00		1.515	0.536	0.122	54.690	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/9/07 10:00		1.489	0.510	0.108	48.384	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/9/07 11:00		1.473	0.494	0.100	44.732	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/9/07 12:00		1.476	0.497	0.101	45.404	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/9/07 13:00		1.462	0.483	0.094	42.321	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/9/07 14:00		1.446	0.467	0.087	38.955	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/9/07 15:00		1.47	0.491	0.098	44.067	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/9/07 16:00		1.457	0.478	0.092	41.251	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/9/07 17:00		1.457	0.478	0.092	41.251	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/9/07	18:00	1.432	0.453	0.081	36.146	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/9/07	19:00	1.43	0.451	0.080	35.755	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/9/07	20:00	1.411	0.432	0.072	32.167	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/9/07	21:00	1.415	0.436	0.073	32.904	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/9/07	22:00	1.42	0.441	0.075	33.838	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/9/07	23:00	1.433	0.454	0.081	36.343	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/10/07	0:00	1.438	0.459	0.083	37.335	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/10/07	1:00	1.494	0.515	0.110	49.561	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/10/07	2:00	1.47	0.491	0.098	44.067	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/10/07	3:00	1.486	0.507	0.106	47.687	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/10/07	4:00	1.483	0.504	0.105	46.995	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/10/07	5:00	1.48	0.501	0.103	46.309	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/10/07	6:00	1.482	0.503	0.104	46.766	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/10/07	7:00	1.444	0.465	0.086	38.546	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/10/07	8:00	1.482	0.503	0.104	46.766	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/10/07	9:00	1.487	0.508	0.107	47.919	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/10/07	10:00	1.492	0.513	0.109	49.088	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/10/07	11:00	1.485	0.506	0.106	47.455	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/10/07	12:00	1.478	0.499	0.102	45.855	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/10/07	13:00	1.444	0.465	0.086	38.546	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/10/07	14:00	1.423	0.444	0.077	34.407	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/10/07	15:00	1.405	0.426	0.069	31.081	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/10/07	16:00	1.398	0.419	0.066	29.842	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/10/07	17:00	1.396	0.417	0.066	29.494	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/10/07	18:00	1.382	0.403	0.060	27.123	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/10/07	19:00	1.384	0.405	0.061	27.454	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/10/07	20:00	1.386	0.407	0.062	27.788	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/10/07	21:00	1.398	0.419	0.066	29.842	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/10/07	22:00	1.404	0.425	0.069	30.902	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/10/07	23:00	1.413	0.434	0.072	32.534	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/11/07	0:00	1.415	0.436	0.073	32.904	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/11/07	1:00	1.417	0.438	0.074	33.276	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/11/07	2:00	1.424	0.445	0.077	34.598	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/11/07	3:00	1.43	0.451	0.080	35.755	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/11/07	4:00	1.437	0.458	0.083	37.135	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/11/07	5:00	1.437	0.458	0.083	37.135	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/11/07	6:00	1.448	0.469	0.088	39.367	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/11/07	7:00	1.457	0.478	0.092	41.251	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/11/07	8:00	1.46	0.481	0.093	41.891	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/11/07	9:00	1.46	0.481	0.093	41.891	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/11/07	10:00	1.462	0.483	0.094	42.321	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/11/07	11:00	1.453	0.474	0.090	40.407	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/11/07	12:00	1.437	0.458	0.083	37.135	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/11/07	13:00	1.421	0.442	0.076	34.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/11/07	14:00	1.411	0.432	0.072	32.167	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/11/07	15:00	1.395	0.416	0.065	29.320	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/11/07	16:00	1.389	0.410	0.063	28.293	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/11/07	17:00	1.375	0.396	0.058	25.982	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/11/07	18:00	1.369	0.390	0.056	25.027	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/11/07	19:00	1.364	0.385	0.054	24.248	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/11/07	20:00	1.376	0.397	0.058	26.143	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/11/07	21:00	1.388	0.409	0.063	28.124	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/11/07	22:00	1.399	0.420	0.067	30.017	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/11/07	23:00	1.408	0.429	0.070	31.621	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/12/07	0:00	1.42	0.441	0.075	33.838	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/12/07	1:00	1.429	0.450	0.079	35.561	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/12/07	2:00	1.436	0.457	0.082	36.936	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/12/07	3:00	1.414	0.435	0.073	32.719	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/12/07	4:00	1.447	0.468	0.087	39.161	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/12/07	5:00	1.454	0.475	0.091	40.617	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/12/07	6:00	1.465	0.486	0.096	42.971	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/12/07	7:00	1.458	0.479	0.092	41.464	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/12/07	8:00	1.441	0.462	0.085	37.937	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/12/07	9:00	1.441	0.462	0.085	37.937	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/12/07	10:00	1.5	0.521	0.114	50.996	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/12/07	11:00	1.481	0.502	0.104	46.537	1.375	0.044	0.013410	0.004596	0.162345	72.860

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/12/07	12:00	1.465	0.486	0.096	42.971	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/12/07	13:00	1.456	0.477	0.091	41.039	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/12/07	14:00	1.44	0.461	0.084	37.736	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/12/07	15:00	1.422	0.443	0.076	34.217	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/12/07	16:00	1.413	0.434	0.072	32.534	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/12/07	17:00	1.419	0.440	0.075	33.650	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/12/07	18:00	1.429	0.450	0.079	35.561	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/12/07	19:00	1.438	0.459	0.083	37.335	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/12/07	20:00	1.448	0.469	0.088	39.367	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/12/07	21:00	1.452	0.473	0.090	40.198	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/12/07	22:00	1.459	0.480	0.093	41.677	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/12/07	23:00	1.457	0.478	0.092	41.251	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/13/07	0:00	1.461	0.482	0.094	42.106	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/13/07	1:00	1.463	0.484	0.095	42.537	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/13/07	2:00	1.467	0.488	0.097	43.407	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/13/07	3:00	1.469	0.490	0.098	43.846	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/13/07	4:00	1.469	0.490	0.098	43.846	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/13/07	5:00	1.474	0.495	0.100	44.956	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/13/07	6:00	1.476	0.497	0.101	45.404	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/13/07	7:00	1.476	0.497	0.101	45.404	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/13/07	8:00	1.476	0.497	0.101	45.404	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/13/07	9:00	1.476	0.497	0.101	45.404	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/13/07	10:00	1.476	0.497	0.101	45.404	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/13/07	11:00	1.469	0.490	0.098	43.846	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/13/07	12:00	1.45	0.471	0.089	39.781	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/13/07	13:00	1.434	0.455	0.081	36.540	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/13/07	14:00	1.411	0.432	0.072	32.167	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/13/07	15:00	1.396	0.417	0.066	29.494	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/13/07	16:00	1.38	0.401	0.060	26.794	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/13/07	17:00	1.368	0.389	0.055	24.870	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/13/07	18:00	1.369	0.390	0.056	25.027	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/13/07	19:00	1.369	0.390	0.056	25.027	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/13/07	20:00	1.374	0.395	0.058	25.821	1.36	0.029	0.008838	0.002593	0.091584	41.103

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/13/07	21:00	1.381	0.402	0.060	26.958	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/13/07	22:00	1.392	0.413	0.064	28.804	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/13/07	23:00	1.406	0.427	0.070	31.260	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/14/07	0:00	1.422	0.443	0.076	34.217	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/14/07	1:00	1.424	0.445	0.077	34.598	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/14/07	2:00	1.435	0.456	0.082	36.738	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/14/07	3:00	1.447	0.468	0.087	39.161	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/14/07	4:00	1.446	0.467	0.087	38.955	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/14/07	5:00	1.453	0.474	0.090	40.407	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/14/07	6:00	1.458	0.479	0.092	41.464	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/14/07	7:00	1.455	0.476	0.091	40.828	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/14/07	8:00	1.453	0.474	0.090	40.407	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/14/07	9:00	1.424	0.445	0.077	34.598	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/14/07	10:00	1.425	0.446	0.078	34.789	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/14/07	11:00	1.378	0.399	0.059	26.467	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/14/07	12:00	1.418	0.439	0.075	33.463	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/14/07	13:00	1.414	0.435	0.073	32.719	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/14/07	14:00	1.394	0.415	0.065	29.148	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/14/07	15:00	1.38	0.401	0.060	26.794	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/14/07	16:00	1.362	0.383	0.053	23.941	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/14/07	17:00	1.351	0.372	0.050	22.291	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/14/07	18:00	1.344	0.365	0.047	21.278	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/14/07	19:00	1.33	0.351	0.043	19.336	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/14/07	20:00	1.344	0.365	0.047	21.278	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/14/07	21:00	1.353	0.374	0.050	22.586	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/14/07	22:00	1.365	0.386	0.054	24.403	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/14/07	23:00	1.372	0.393	0.057	25.502	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/15/07	0:00	1.371	0.392	0.056	25.343	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/15/07	1:00	1.383	0.404	0.061	27.288	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/15/07	2:00	1.392	0.413	0.064	28.804	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/15/07	3:00	1.401	0.422	0.068	30.369	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/15/07	4:00	1.41	0.431	0.071	31.985	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/15/07	5:00	1.412	0.433	0.072	32.350	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/15/07	6:00	1.423	0.444	0.077	34.407	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/15/07	7:00	1.428	0.449	0.079	35.367	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/15/07	8:00	1.439	0.460	0.084	37.535	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/15/07	9:00	1.432	0.453	0.081	36.146	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/15/07	10:00	1.439	0.460	0.084	37.535	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/15/07	11:00	1.433	0.454	0.081	36.343	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/15/07	12:00	1.417	0.438	0.074	33.276	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/15/07	13:00	1.403	0.424	0.068	30.724	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/15/07	14:00	1.389	0.410	0.063	28.293	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/15/07	15:00	1.376	0.397	0.058	26.143	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/15/07	16:00	1.36	0.381	0.053	23.636	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/15/07	17:00	1.351	0.372	0.050	22.291	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/15/07	18:00	1.342	0.363	0.047	20.994	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/15/07	19:00	1.34	0.361	0.046	20.712	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/15/07	20:00	1.338	0.359	0.046	20.432	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/15/07	21:00	1.366	0.387	0.055	24.558	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/15/07	22:00	1.394	0.415	0.065	29.148	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/15/07	23:00	1.363	0.384	0.054	24.094	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/16/07	0:00	1.377	0.398	0.059	26.305	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/16/07	1:00	1.386	0.407	0.062	27.788	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/16/07	2:00	1.4	0.421	0.067	30.193	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/16/07	3:00	1.409	0.430	0.071	31.803	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/16/07	4:00	1.415	0.436	0.073	32.904	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/16/07	5:00	1.422	0.443	0.076	34.217	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/16/07	6:00	1.429	0.450	0.079	35.561	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/16/07	7:00	1.433	0.454	0.081	36.343	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/16/07	8:00	1.47	0.491	0.098	44.067	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/16/07	9:00	1.421	0.442	0.076	34.027	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/16/07	10:00	1.412	0.433	0.072	32.350	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/16/07	11:00	1.407	0.428	0.070	31.441	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/16/07	12:00	1.41	0.431	0.071	31.985	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/16/07	13:00	1.39	0.411	0.063	28.463	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/16/07	14:00	1.371	0.392	0.056	25.343	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/16/07	15:00	1.349	0.370	0.049	21.999	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/16/07	16:00	1.335	0.356	0.045	20.017	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/16/07	17:00	1.326	0.347	0.042	18.801	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/16/07	18:00	1.312	0.333	0.038	17.001	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/16/07	19:00	1.322	0.343	0.041	18.276	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/16/07	20:00	1.324	0.345	0.041	18.537	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/16/07	21:00	1.336	0.357	0.045	20.155	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/16/07	22:00	1.336	0.357	0.045	20.155	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/16/07	23:00	1.343	0.364	0.047	21.136	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/17/07	0:00	1.349	0.370	0.049	21.999	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/17/07	1:00	1.358	0.379	0.052	23.333	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/17/07	2:00	1.377	0.398	0.059	26.305	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/17/07	3:00	1.4	0.421	0.067	30.193	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/17/07	4:00	1.39	0.411	0.063	28.463	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/17/07	5:00	1.38	0.401	0.060	26.794	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/17/07	6:00	1.404	0.425	0.069	30.902	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/17/07	7:00	1.413	0.434	0.072	32.534	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/17/07	8:00	1.415	0.436	0.073	32.904	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/17/07	9:00	1.415	0.436	0.073	32.904	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/17/07	10:00	1.412	0.433	0.072	32.350	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/17/07	11:00	1.403	0.424	0.068	30.724	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/17/07	12:00	1.389	0.410	0.063	28.293	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/17/07	13:00	1.367	0.388	0.055	24.714	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/17/07	14:00	1.348	0.369	0.049	21.853	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/17/07	15:00	1.33	0.351	0.043	19.336	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/17/07	16:00	1.317	0.338	0.039	17.631	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/17/07	17:00	1.31	0.331	0.037	16.752	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/17/07	18:00	1.293	0.314	0.033	14.729	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/17/07	19:00	1.289	0.310	0.032	14.275	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/17/07	20:00	1.289	0.310	0.032	14.275	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/17/07	21:00	1.298	0.319	0.034	15.308	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/17/07	22:00	1.305	0.326	0.036	16.141	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/17/07	23:00	1.317	0.338	0.039	17.631	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/18/07	0:00	1.309	0.330	0.037	16.629	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/18/07	1:00	1.337	0.358	0.045	20.293	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/18/07	2:00	1.384	0.405	0.061	27.454	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/18/07	3:00	1.388	0.409	0.063	28.124	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/18/07	4:00	1.399	0.420	0.067	30.017	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/18/07	5:00	1.404	0.425	0.069	30.902	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/18/07	6:00	1.399	0.420	0.067	30.017	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/18/07	7:00	1.41	0.431	0.071	31.985	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/18/07	8:00	1.417	0.438	0.074	33.276	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/18/07	9:00	1.417	0.438	0.074	33.276	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/18/07	10:00	1.412	0.433	0.072	32.350	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/18/07	11:00	1.41	0.431	0.071	31.985	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/18/07	12:00	1.405	0.426	0.069	31.081	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/18/07	13:00	1.394	0.415	0.065	29.148	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/18/07	14:00	1.387	0.408	0.062	27.956	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/18/07	15:00	1.371	0.392	0.056	25.343	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/18/07	16:00	1.356	0.377	0.051	23.032	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/18/07	17:00	1.34	0.361	0.046	20.712	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/18/07	18:00	1.33	0.351	0.043	19.336	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/18/07	19:00	1.324	0.345	0.041	18.537	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/18/07	20:00	1.321	0.342	0.040	18.146	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/18/07	21:00	1.321	0.342	0.040	18.146	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/18/07	22:00	1.323	0.344	0.041	18.406	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/18/07	23:00	1.349	0.370	0.049	21.999	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/19/07	0:00	1.356	0.377	0.051	23.032	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/19/07	1:00	1.374	0.395	0.058	25.821	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/19/07	2:00	1.398	0.419	0.066	29.842	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/19/07	3:00	1.4	0.421	0.067	30.193	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/19/07	4:00	1.449	0.470	0.088	39.573	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/19/07	5:00	2.159	1.180	0.859	385.697	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/19/07	6:00	2.017	1.038	0.625	280.543	1.543	0.212	0.064614	0.044666	1.577629	708.040
7/19/07	7:00	1.855	0.876	0.410	184.183	1.484	0.153	0.046632	0.027625	0.975719	437.903
7/19/07	8:00	1.656	0.677	0.217	97.330	1.427	0.096	0.029259	0.013986	0.494009	221.711

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/19/07	9:00	1.611	0.632	0.183	82.118	1.39	0.059	0.017982	0.006949	0.245442	110.155
7/19/07	10:00	1.583	0.604	0.164	73.426	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/19/07	11:00	1.553	0.574	0.144	64.752	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/19/07	12:00	1.53	0.551	0.130	58.540	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/19/07	13:00	1.509	0.530	0.119	53.194	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/19/07	14:00	1.479	0.500	0.103	46.082	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/19/07	15:00	1.421	0.442	0.076	34.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/19/07	16:00	1.434	0.455	0.081	36.540	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/19/07	17:00	1.432	0.453	0.081	36.146	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/19/07	18:00	1.462	0.483	0.094	42.321	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/19/07	19:00	1.434	0.455	0.081	36.540	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/19/07	20:00	1.436	0.457	0.082	36.936	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/19/07	21:00	1.405	0.426	0.069	31.081	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/19/07	22:00	1.417	0.438	0.074	33.276	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/19/07	23:00	1.43	0.451	0.080	35.755	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/20/07	0:00	1.458	0.479	0.092	41.464	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/20/07	1:00	1.439	0.460	0.084	37.535	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/20/07	2:00	1.455	0.476	0.091	40.828	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/20/07	3:00	1.462	0.483	0.094	42.321	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/20/07	4:00	1.471	0.492	0.099	44.288	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/20/07	5:00	1.473	0.494	0.100	44.732	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/20/07	6:00	1.485	0.506	0.106	47.455	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/20/07	7:00	1.477	0.498	0.102	45.629	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/20/07	8:00	1.472	0.493	0.099	44.510	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/20/07	9:00	1.477	0.498	0.102	45.629	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/20/07	10:00	1.475	0.496	0.101	45.180	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/20/07	11:00	1.468	0.489	0.097	43.626	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/20/07	12:00	1.448	0.469	0.088	39.367	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/20/07	13:00	1.436	0.457	0.082	36.936	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/20/07	14:00	1.421	0.442	0.076	34.027	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/20/07	15:00	1.41	0.431	0.071	31.985	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/20/07	16:00	1.396	0.417	0.066	29.494	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/20/07	17:00	1.384	0.405	0.061	27.454	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/20/07	18:00	1.375	0.396	0.058	25.982	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/20/07	19:00	1.367	0.388	0.055	24.714	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/20/07	20:00	1.362	0.383	0.053	23.941	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/20/07	21:00	1.369	0.390	0.056	25.027	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/20/07	22:00	1.392	0.413	0.064	28.804	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/20/07	23:00	1.397	0.418	0.066	29.668	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/21/07	0:00	1.403	0.424	0.068	30.724	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/21/07	1:00	1.424	0.445	0.077	34.598	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/21/07	2:00	1.436	0.457	0.082	36.936	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/21/07	3:00	1.443	0.464	0.085	38.343	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/21/07	4:00	1.45	0.471	0.089	39.781	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/21/07	5:00	1.449	0.470	0.088	39.573	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/21/07	6:00	1.459	0.480	0.093	41.677	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/21/07	7:00	1.461	0.482	0.094	42.106	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/21/07	8:00	1.468	0.489	0.097	43.626	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/21/07	9:00	1.458	0.479	0.092	41.464	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/21/07	10:00	1.461	0.482	0.094	42.106	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/21/07	11:00	1.443	0.464	0.085	38.343	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/21/07	12:00	1.535	0.556	0.133	59.859	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/21/07	13:00	1.451	0.472	0.089	39.989	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/21/07	14:00	1.358	0.379	0.052	23.333	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/21/07	15:00	1.349	0.370	0.049	21.999	1.353	0.022	0.006705	0.001797	0.063472	28.487
7/21/07	16:00	1.385	0.406	0.062	27.621	1.351	0.02	0.006095	0.001588	0.056091	25.174
7/21/07	17:00	1.406	0.427	0.070	31.260	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/21/07	18:00	1.413	0.434	0.072	32.534	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/21/07	19:00	1.392	0.413	0.064	28.804	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/21/07	20:00	1.387	0.408	0.062	27.956	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/21/07	21:00	1.393	0.414	0.065	28.976	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/21/07	22:00	1.395	0.416	0.065	29.320	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/21/07	23:00	1.402	0.423	0.068	30.546	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/22/07	0:00	1.413	0.434	0.072	32.534	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	1:00	1.42	0.441	0.075	33.838	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	2:00	1.427	0.448	0.078	35.174	1.358	0.027	0.008229	0.002355	0.083206	37.343

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/22/07	3:00	1.434	0.455	0.081	36.540	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/22/07	4:00	1.431	0.452	0.080	35.950	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	5:00	1.443	0.464	0.085	38.343	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	6:00	1.452	0.473	0.090	40.198	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/22/07	7:00	1.456	0.477	0.091	41.039	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/22/07	8:00	1.435	0.456	0.082	36.738	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/22/07	9:00	1.442	0.463	0.085	38.140	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	10:00	1.447	0.468	0.087	39.161	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	11:00	1.445	0.466	0.086	38.750	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	12:00	1.43	0.451	0.080	35.755	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/22/07	13:00	1.414	0.435	0.073	32.719	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/22/07	14:00	1.405	0.426	0.069	31.081	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/22/07	15:00	1.385	0.406	0.062	27.621	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/22/07	16:00	1.327	0.348	0.042	18.934	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/22/07	17:00	1.287	0.308	0.031	14.052	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/22/07	18:00	1.329	0.350	0.043	19.201	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/22/07	19:00	1.442	0.463	0.085	38.140	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/22/07	20:00	1.402	0.423	0.068	30.546	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/22/07	21:00	1.389	0.410	0.063	28.293	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/22/07	22:00	1.365	0.386	0.054	24.403	1.354	0.023	0.007010	0.001904	0.067276	30.194
7/22/07	23:00	1.384	0.405	0.061	27.454	1.354	0.023	0.007010	0.001904	0.067276	30.194
7/23/07	0:00	1.4	0.421	0.067	30.193	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/23/07	1:00	1.418	0.439	0.075	33.463	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/23/07	2:00	1.425	0.446	0.078	34.789	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/23/07	3:00	1.423	0.444	0.077	34.407	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/23/07	4:00	1.425	0.446	0.078	34.789	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/23/07	5:00	1.441	0.462	0.085	37.937	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/23/07	6:00	1.453	0.474	0.090	40.407	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/23/07	7:00	1.457	0.478	0.092	41.251	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/23/07	8:00	1.462	0.483	0.094	42.321	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/23/07	9:00	1.469	0.490	0.098	43.846	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/23/07	10:00	1.464	0.485	0.095	42.753	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/23/07	11:00	1.464	0.485	0.095	42.753	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/23/07	12:00	1.483	0.504	0.105	46.995	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/23/07	13:00	1.457	0.478	0.092	41.251	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/23/07	14:00	1.451	0.472	0.089	39.989	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/23/07	15:00	1.435	0.456	0.082	36.738	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/23/07	16:00	1.42	0.441	0.075	33.838	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/23/07	17:00	1.403	0.424	0.068	30.724	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/23/07	18:00	1.392	0.413	0.064	28.804	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/23/07	19:00	1.397	0.418	0.066	29.668	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/23/07	20:00	1.392	0.413	0.064	28.804	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/23/07	21:00	1.396	0.417	0.066	29.494	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/23/07	22:00	1.391	0.412	0.064	28.633	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/23/07	23:00	1.407	0.428	0.070	31.441	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/24/07	0:00	1.418	0.439	0.075	33.463	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/24/07	1:00	1.425	0.446	0.078	34.789	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/24/07	2:00	1.437	0.458	0.083	37.135	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/24/07	3:00	1.439	0.460	0.084	37.535	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/24/07	4:00	1.448	0.469	0.088	39.367	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/24/07	5:00	1.455	0.476	0.091	40.828	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/24/07	6:00	1.461	0.482	0.094	42.106	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/24/07	7:00	1.461	0.482	0.094	42.106	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/24/07	8:00	1.461	0.482	0.094	42.106	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/24/07	9:00	1.466	0.487	0.096	43.188	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/24/07	10:00	1.466	0.487	0.096	43.188	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/24/07	11:00	1.457	0.478	0.092	41.251	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/24/07	12:00	1.444	0.465	0.086	38.546	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/24/07	13:00	1.426	0.447	0.078	34.981	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/24/07	14:00	1.408	0.429	0.070	31.621	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/24/07	15:00	1.385	0.406	0.062	27.621	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/24/07	16:00	1.39	0.411	0.063	28.463	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/24/07	17:00	1.378	0.399	0.059	26.467	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/24/07	18:00	1.341	0.362	0.046	20.852	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/24/07	19:00	1.332	0.353	0.044	19.607	1.354	0.023	0.007010	0.001904	0.067276	30.194
7/24/07	20:00	1.32	0.341	0.040	18.016	1.352	0.021	0.006400	0.001691	0.059744	26.813

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/24/07	21:00	1.326	0.347	0.042	18.801	1.353	0.022	0.006705	0.001797	0.063472	28.487
7/24/07	22:00	1.363	0.384	0.054	24.094	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/24/07	23:00	1.379	0.400	0.059	26.630	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/25/07	0:00	1.384	0.405	0.061	27.454	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/25/07	1:00	1.404	0.425	0.069	30.902	1.358	0.027	0.008229	0.002355	0.083206	37.343
7/25/07	2:00	1.411	0.432	0.072	32.167	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/25/07	3:00	1.411	0.432	0.072	32.167	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/25/07	4:00	1.427	0.448	0.078	35.174	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/25/07	5:00	1.434	0.455	0.081	36.540	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/25/07	6:00	1.441	0.462	0.085	37.937	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/25/07	7:00	1.452	0.473	0.090	40.198	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/25/07	8:00	1.462	0.483	0.094	42.321	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/25/07	9:00	1.45	0.471	0.089	39.781	1.366	0.035	0.010667	0.003348	0.118271	53.080
7/25/07	10:00	1.436	0.457	0.082	36.936	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/25/07	11:00	1.432	0.453	0.081	36.146	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/25/07	12:00	1.416	0.437	0.074	33.089	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/25/07	13:00	1.4	0.421	0.067	30.193	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/25/07	14:00	1.394	0.415	0.065	29.148	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/25/07	15:00	1.376	0.397	0.058	26.143	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/25/07	16:00	1.341	0.362	0.046	20.852	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/25/07	17:00	1.329	0.350	0.043	19.201	1.356	0.025	0.007619	0.002126	0.075100	33.705
7/25/07	18:00	1.327	0.348	0.042	18.934	1.354	0.023	0.007010	0.001904	0.067276	30.194
7/25/07	19:00	1.317	0.338	0.039	17.631	1.353	0.022	0.006705	0.001797	0.063472	28.487
7/25/07	20:00	1.329	0.350	0.043	19.201	1.353	0.022	0.006705	0.001797	0.063472	28.487
7/25/07	21:00	1.341	0.362	0.046	20.852	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/25/07	22:00	1.34	0.361	0.046	20.712	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/25/07	23:00	1.347	0.368	0.048	21.709	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/26/07	0:00	1.37	0.391	0.056	25.185	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/26/07	1:00	1.383	0.404	0.061	27.288	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/26/07	2:00	1.399	0.420	0.067	30.017	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/26/07	3:00	1.404	0.425	0.069	30.902	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/26/07	4:00	1.425	0.446	0.078	34.789	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/26/07	5:00	1.415	0.436	0.073	32.904	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/26/07	6:00	1.427	0.448	0.078	35.174	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/26/07	7:00	1.431	0.452	0.080	35.950	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/26/07	8:00	1.433	0.454	0.081	36.343	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/26/07	9:00	1.438	0.459	0.083	37.335	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/26/07	10:00	1.44	0.461	0.084	37.736	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/26/07	11:00	1.434	0.455	0.081	36.540	1.365	0.034	0.010362	0.003218	0.113667	51.014
7/26/07	12:00	1.409	0.430	0.071	31.803	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/26/07	13:00	1.423	0.444	0.077	34.407	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/26/07	14:00	1.527	0.548	0.129	57.757	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/26/07	15:00	1.415	0.436	0.073	32.904	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/26/07	16:00	1.338	0.359	0.046	20.432	1.363	0.032	0.009753	0.002962	0.104643	46.964
7/26/07	17:00	1.329	0.350	0.043	19.201	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/26/07	18:00	1.31	0.331	0.037	16.752	1.353	0.022	0.006705	0.001797	0.063472	28.487
7/26/07	19:00	1.313	0.334	0.038	17.126	1.351	0.02	0.006095	0.001588	0.056091	25.174
7/26/07	20:00	1.318	0.339	0.040	17.759	1.352	0.021	0.006400	0.001691	0.059744	26.813
7/26/07	21:00	1.324	0.345	0.041	18.537	1.353	0.022	0.006705	0.001797	0.063472	28.487
7/26/07	22:00	1.333	0.354	0.044	19.743	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/26/07	23:00	1.34	0.361	0.046	20.712	1.355	0.024	0.007314	0.002014	0.071152	31.933
7/27/07	0:00	1.372	0.393	0.057	25.502	1.357	0.026	0.007924	0.002240	0.079118	35.508
7/27/07	1:00	1.382	0.403	0.060	27.123	1.359	0.028	0.008533	0.002473	0.087361	39.208
7/27/07	2:00	1.388	0.409	0.063	28.124	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/27/07	3:00	1.454	0.475	0.091	40.617	1.36	0.029	0.008838	0.002593	0.091584	41.103
7/27/07	4:00	1.451	0.472	0.089	39.989	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/27/07	5:00	1.469	0.490	0.098	43.846	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/27/07	6:00	1.474	0.495	0.100	44.956	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/27/07	7:00	1.474	0.495	0.100	44.956	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/27/07	8:00	1.466	0.487	0.096	43.188	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/27/07	9:00	1.476	0.497	0.101	45.404	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/27/07	10:00	1.462	0.483	0.094	42.321	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/27/07	11:00	1.436	0.457	0.082	36.936	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/27/07	12:00	1.521	0.542	0.125	56.211	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/27/07	13:00	1.437	0.458	0.083	37.135	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/27/07	14:00	1.438	0.459	0.083	37.335	1.376	0.045	0.013715	0.004743	0.167522	75.184

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/27/07	15:00	1.459	0.480	0.093	41.677	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/27/07	16:00	1.431	0.452	0.080	35.950	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/27/07	17:00	1.434	0.455	0.081	36.540	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/27/07	18:00	1.392	0.413	0.064	28.804	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/27/07	19:00	1.429	0.450	0.079	35.561	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/27/07	20:00	1.434	0.455	0.081	36.540	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/27/07	21:00	1.443	0.464	0.085	38.343	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/27/07	22:00	1.424	0.445	0.077	34.598	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/27/07	23:00	1.447	0.468	0.087	39.161	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/28/07	0:00	1.449	0.470	0.088	39.573	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/28/07	1:00	1.456	0.477	0.091	41.039	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/28/07	2:00	1.465	0.486	0.096	42.971	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/28/07	3:00	1.469	0.490	0.098	43.846	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/28/07	4:00	1.466	0.487	0.096	43.188	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/28/07	5:00	1.457	0.478	0.092	41.251	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/28/07	6:00	1.454	0.475	0.091	40.617	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/28/07	7:00	1.442	0.463	0.085	38.140	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/28/07	8:00	1.452	0.473	0.090	40.198	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/28/07	9:00	1.449	0.470	0.088	39.573	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/28/07	10:00	1.449	0.470	0.088	39.573	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/28/07	11:00	1.445	0.466	0.086	38.750	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/28/07	12:00	1.438	0.459	0.083	37.335	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/28/07	13:00	1.427	0.448	0.078	35.174	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/28/07	14:00	1.415	0.436	0.073	32.904	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/28/07	15:00	1.409	0.430	0.071	31.803	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/28/07	16:00	1.402	0.423	0.068	30.546	1.373	0.042	0.012800	0.004307	0.152153	68.287
7/28/07	17:00	1.414	0.435	0.073	32.719	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/28/07	18:00	1.409	0.430	0.071	31.803	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/28/07	19:00	1.411	0.432	0.072	32.167	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/28/07	20:00	1.404	0.425	0.069	30.902	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/28/07	21:00	1.413	0.434	0.072	32.534	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/28/07	22:00	1.411	0.432	0.072	32.167	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/28/07	23:00	1.415	0.436	0.073	32.904	1.374	0.043	0.013105	0.004451	0.157221	70.561

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/29/07	0:00	1.422	0.443	0.076	34.217	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/29/07	1:00	1.495	0.516	0.111	49.799	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/29/07	2:00	1.504	0.525	0.116	51.966	1.385	0.054	0.016458	0.006129	0.216486	97.159
7/29/07	3:00	1.551	0.572	0.143	64.197	1.392	0.061	0.018591	0.007286	0.257360	115.503
7/29/07	4:00	1.503	0.524	0.115	51.722	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/29/07	5:00	1.47	0.491	0.098	44.067	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/29/07	6:00	1.498	0.519	0.113	50.515	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/29/07	7:00	1.51	0.531	0.119	53.441	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/29/07	8:00	1.458	0.479	0.092	41.464	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/29/07	9:00	1.566	0.587	0.152	68.430	1.387	0.056	0.017067	0.006453	0.227923	102.292
7/29/07	10:00	1.597	0.618	0.173	77.699	1.394	0.063	0.019201	0.007629	0.269465	120.936
7/29/07	11:00	1.761	0.782	0.310	139.042	1.401	0.07	0.021334	0.008869	0.313263	140.593
7/29/07	12:00	1.653	0.674	0.215	96.268	1.398	0.067	0.020420	0.008330	0.294223	132.048
7/29/07	13:00	1.609	0.630	0.182	81.478	1.389	0.058	0.017677	0.006782	0.239554	107.512
7/29/07	14:00	1.557	0.578	0.147	65.871	1.387	0.056	0.017067	0.006453	0.227923	102.292
7/29/07	15:00	1.595	0.616	0.172	77.080	1.392	0.061	0.018591	0.007286	0.257360	115.503
7/29/07	16:00	1.569	0.590	0.154	69.296	1.399	0.068	0.020725	0.008508	0.300526	134.876
7/29/07	17:00	1.892	0.913	0.455	204.071	1.395	0.064	0.019506	0.007802	0.275586	123.683
7/29/07	18:00	1.979	1.000	0.570	255.748	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/29/07	19:00	1.965	0.986	0.550	246.957	1.389	0.058	0.017677	0.006782	0.239554	107.512
7/29/07	20:00	1.774	0.795	0.323	144.835	1.392	0.061	0.018591	0.007286	0.257360	115.503
7/29/07	21:00	1.683	0.704	0.239	107.211	1.394	0.063	0.019201	0.007629	0.269465	120.936
7/29/07	22:00	1.715	0.736	0.267	119.671	1.399	0.068	0.020725	0.008508	0.300526	134.876
7/29/07	23:00	1.71	0.731	0.262	117.670	1.398	0.067	0.020420	0.008330	0.294223	132.048
7/30/07	0:00	1.769	0.790	0.318	142.590	1.395	0.064	0.019506	0.007802	0.275586	123.683
7/30/07	1:00	1.726	0.747	0.277	124.145	1.395	0.064	0.019506	0.007802	0.275586	123.683
7/30/07	2:00	1.628	0.649	0.195	87.683	1.392	0.061	0.018591	0.007286	0.257360	115.503
7/30/07	3:00	1.517	0.538	0.123	55.194	1.389	0.058	0.017677	0.006782	0.239554	107.512
7/30/07	4:00	1.712	0.733	0.264	118.468	1.382	0.051	0.015544	0.005654	0.199702	89.627
7/30/07	5:00	1.719	0.740	0.270	121.286	1.387	0.056	0.017067	0.006453	0.227923	102.292
7/30/07	6:00	1.561	0.582	0.149	67.001	1.384	0.053	0.016153	0.005969	0.210841	94.626
7/30/07	7:00	1.533	0.554	0.132	59.329	1.381	0.05	0.015239	0.005498	0.194209	87.161
7/30/07	8:00	1.528	0.549	0.129	58.018	1.379	0.048	0.014629	0.005191	0.183377	82.300

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/30/07	9:00	1.559	0.580	0.148	66.434	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/30/07	10:00	1.592	0.613	0.170	76.156	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/30/07	11:00	1.478	0.499	0.102	45.855	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/30/07	12:00	1.462	0.483	0.094	42.321	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/30/07	13:00	1.436	0.457	0.082	36.936	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/30/07	14:00	1.418	0.439	0.075	33.463	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/30/07	15:00	1.402	0.423	0.068	30.546	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/30/07	16:00	1.4	0.421	0.067	30.193	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/30/07	17:00	1.377	0.398	0.059	26.305	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/30/07	18:00	1.337	0.358	0.045	20.293	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/30/07	19:00	1.349	0.370	0.049	21.999	1.361	0.03	0.009143	0.002714	0.095872	43.028
7/30/07	20:00	1.358	0.379	0.052	23.333	1.362	0.031	0.009448	0.002837	0.100226	44.982
7/30/07	21:00	1.386	0.407	0.062	27.788	1.364	0.033	0.010057	0.003089	0.109124	48.975
7/30/07	22:00	1.407	0.428	0.070	31.441	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/30/07	23:00	1.446	0.467	0.087	38.955	1.37	0.039	0.011886	0.003886	0.137285	61.614
7/31/07	0:00	1.446	0.467	0.087	38.955	1.372	0.041	0.012496	0.004165	0.147140	66.037
7/31/07	1:00	1.438	0.459	0.083	37.335	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/31/07	2:00	1.466	0.487	0.096	43.188	1.371	0.04	0.012191	0.004025	0.142184	63.812
7/31/07	3:00	1.492	0.513	0.109	49.088	1.375	0.044	0.013410	0.004596	0.162345	72.860
7/31/07	4:00	1.487	0.508	0.107	47.919	1.374	0.043	0.013105	0.004451	0.157221	70.561
7/31/07	5:00	1.524	0.545	0.127	56.981	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/31/07	6:00	1.51	0.531	0.119	53.441	1.38	0.049	0.014934	0.005344	0.188767	84.719
7/31/07	7:00	1.51	0.531	0.119	53.441	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/31/07	8:00	1.517	0.538	0.123	55.194	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/31/07	9:00	1.512	0.533	0.120	53.939	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/31/07	10:00	1.498	0.519	0.113	50.515	1.379	0.048	0.014629	0.005191	0.183377	82.300
7/31/07	11:00	1.492	0.513	0.109	49.088	1.377	0.046	0.014020	0.004891	0.172754	77.532
7/31/07	12:00	1.476	0.497	0.101	45.404	1.378	0.047	0.014324	0.005040	0.178039	79.904
7/31/07	13:00	1.433	0.454	0.081	36.343	1.376	0.045	0.013715	0.004743	0.167522	75.184
7/31/07	14:00	1.415	0.436	0.073	32.904	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/31/07	15:00	1.407	0.428	0.070	31.441	1.369	0.038	0.011581	0.003749	0.132443	59.441
7/31/07	16:00	1.388	0.409	0.063	28.124	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/31/07	17:00	1.389	0.410	0.063	28.293	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
7/31/07 18:00		1.396	0.417	0.066	29.494	1.367	0.036	0.010972	0.003480	0.122935	55.174
7/31/07 19:00		1.393	0.414	0.065	28.976	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/31/07 20:00		1.393	0.414	0.065	28.976	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/31/07 21:00		1.393	0.414	0.065	28.976	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/31/07 22:00		1.378	0.399	0.059	26.467	1.368	0.037	0.011277	0.003614	0.127660	57.294
7/31/07 23:00		1.444	0.465	0.086	38.546	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/1/07 0:00		1.481	0.502	0.104	46.537	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/1/07 1:00		1.481	0.502	0.104	46.537	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/1/07 2:00		1.466	0.487	0.096	43.188	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/1/07 3:00		1.41	0.431	0.071	31.985	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/1/07 4:00		1.464	0.485	0.095	42.753	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/1/07 5:00		1.471	0.492	0.099	44.288	1.386	0.055	0.016763	0.006290	0.222180	99.714
8/1/07 6:00		1.541	0.562	0.137	61.464	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/1/07 7:00		1.487	0.508	0.107	47.919	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/1/07 8:00		1.71	0.731	0.262	117.670	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/1/07 9:00		1.466	0.487	0.096	43.188	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/1/07 10:00		1.473	0.494	0.100	44.732	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/1/07 11:00		1.454	0.475	0.091	40.617	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/1/07 12:00		1.45	0.471	0.089	39.781	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/1/07 13:00		1.446	0.467	0.087	38.955	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/1/07 14:00		1.432	0.453	0.081	36.146	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/1/07 15:00		1.386	0.407	0.062	27.788	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/1/07 16:00		1.375	0.396	0.058	25.982	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/1/07 17:00		1.352	0.373	0.050	22.438	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/1/07 18:00		1.359	0.380	0.052	23.484	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/1/07 19:00		1.371	0.392	0.056	25.343	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/1/07 20:00		1.345	0.366	0.048	21.421	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/1/07 21:00		1.384	0.405	0.061	27.454	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/1/07 22:00		1.398	0.419	0.066	29.842	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/1/07 23:00		1.402	0.423	0.068	30.546	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/2/07 0:00		1.428	0.449	0.079	35.367	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/2/07 1:00		1.43	0.451	0.080	35.755	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/2/07 2:00		1.436	0.457	0.082	36.936	1.379	0.048	0.014629	0.005191	0.183377	82.300

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/2/07	3:00	1.441	0.462	0.085	37.937	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/2/07	4:00	1.448	0.469	0.088	39.367	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/2/07	5:00	1.445	0.466	0.086	38.750	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/2/07	6:00	1.45	0.471	0.089	39.781	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/2/07	7:00	1.445	0.466	0.086	38.750	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/2/07	8:00	1.456	0.477	0.091	41.039	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/2/07	9:00	1.466	0.487	0.096	43.188	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/2/07	10:00	1.475	0.496	0.101	45.180	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/2/07	11:00	1.464	0.485	0.095	42.753	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/2/07	12:00	1.445	0.466	0.086	38.750	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/2/07	13:00	1.429	0.450	0.079	35.561	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/2/07	14:00	1.407	0.428	0.070	31.441	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/2/07	15:00	1.374	0.395	0.058	25.821	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/2/07	16:00	1.359	0.380	0.052	23.484	1.362	0.031	0.009448	0.002837	0.100226	44.982
8/2/07	17:00	1.357	0.378	0.052	23.182	1.36	0.029	0.008838	0.002593	0.091584	41.103
8/2/07	18:00	1.359	0.380	0.052	23.484	1.361	0.03	0.009143	0.002714	0.095872	43.028
8/2/07	19:00	1.359	0.380	0.052	23.484	1.362	0.031	0.009448	0.002837	0.100226	44.982
8/2/07	20:00	1.371	0.392	0.056	25.343	1.362	0.031	0.009448	0.002837	0.100226	44.982
8/2/07	21:00	1.368	0.389	0.055	24.870	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/2/07	22:00	1.389	0.410	0.063	28.293	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/2/07	23:00	1.379	0.400	0.059	26.630	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/3/07	0:00	1.411	0.432	0.072	32.167	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/3/07	1:00	1.409	0.430	0.071	31.803	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/3/07	2:00	1.406	0.427	0.070	31.260	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/3/07	3:00	1.431	0.452	0.080	35.950	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/3/07	4:00	1.426	0.447	0.078	34.981	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/3/07	5:00	1.421	0.442	0.076	34.027	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/3/07	6:00	1.437	0.458	0.083	37.135	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/3/07	7:00	1.444	0.465	0.086	38.546	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/3/07	8:00	1.434	0.455	0.081	36.540	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/3/07	9:00	1.441	0.462	0.085	37.937	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/3/07	10:00	1.449	0.470	0.088	39.573	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/3/07	11:00	1.435	0.456	0.082	36.738	1.372	0.041	0.012496	0.004165	0.147140	66.037

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/3/07	12:00	1.416	0.437	0.074	33.089	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/3/07	13:00	1.4	0.421	0.067	30.193	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/3/07	14:00	1.382	0.403	0.060	27.123	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/3/07	15:00	1.375	0.396	0.058	25.982	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/3/07	16:00	1.359	0.380	0.052	23.484	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/3/07	17:00	1.346	0.367	0.048	21.565	1.361	0.03	0.009143	0.002714	0.095872	43.028
8/3/07	18:00	1.339	0.360	0.046	20.572	1.359	0.028	0.008533	0.002473	0.087361	39.208
8/3/07	19:00	1.341	0.362	0.046	20.852	1.36	0.029	0.008838	0.002593	0.091584	41.103
8/3/07	20:00	1.344	0.365	0.047	21.278	1.36	0.029	0.008838	0.002593	0.091584	41.103
8/3/07	21:00	1.353	0.374	0.050	22.586	1.361	0.03	0.009143	0.002714	0.095872	43.028
8/3/07	22:00	1.404	0.425	0.069	30.902	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/3/07	23:00	1.434	0.455	0.081	36.540	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/4/07	0:00	1.425	0.446	0.078	34.789	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/4/07	1:00	1.42	0.441	0.075	33.838	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/4/07	2:00	1.422	0.443	0.076	34.217	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/4/07	3:00	1.401	0.422	0.068	30.369	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/4/07	4:00	1.403	0.424	0.068	30.724	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/4/07	5:00	1.402	0.423	0.068	30.546	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/4/07	6:00	1.412	0.433	0.072	32.350	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/4/07	7:00	1.442	0.463	0.085	38.140	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/4/07	8:00	1.454	0.475	0.091	40.617	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/4/07	9:00	1.456	0.477	0.091	41.039	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/4/07	10:00	1.447	0.468	0.087	39.161	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/4/07	11:00	1.419	0.440	0.075	33.650	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/4/07	12:00	1.422	0.443	0.076	34.217	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/4/07	13:00	1.364	0.385	0.054	24.248	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/4/07	14:00	1.336	0.357	0.045	20.155	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/4/07	15:00	1.316	0.337	0.039	17.504	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/4/07	16:00	1.331	0.352	0.043	19.471	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/4/07	17:00	1.4	0.421	0.067	30.193	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/4/07	18:00	1.365	0.386	0.054	24.403	1.362	0.031	0.009448	0.002837	0.100226	44.982
8/4/07	19:00	1.339	0.360	0.046	20.572	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/4/07	20:00	1.325	0.346	0.042	18.669	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/4/07	21:00	1.407	0.428	0.070	31.441	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/4/07	22:00	1.498	0.519	0.113	50.515	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/4/07	23:00	1.491	0.512	0.109	48.853	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/5/07	0:00	1.54	0.561	0.136	61.195	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/5/07	1:00	1.568	0.589	0.154	69.007	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/5/07	2:00	1.584	0.605	0.164	73.726	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/5/07	3:00	1.609	0.630	0.182	81.478	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/5/07	4:00	1.621	0.642	0.190	85.365	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/5/07	5:00	1.58	0.601	0.162	72.529	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/5/07	6:00	1.637	0.658	0.202	90.718	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/5/07	7:00	1.669	0.690	0.227	102.016	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/5/07	8:00	1.918	0.939	0.487	218.784	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/5/07	9:00	1.514	0.535	0.121	54.439	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/5/07	10:00	1.516	0.537	0.122	54.942	1.386	0.055	0.016763	0.006290	0.222180	99.714
8/5/07	11:00	1.533	0.554	0.132	59.329	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/5/07	12:00	1.52	0.541	0.125	55.956	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/5/07	13:00	1.506	0.527	0.117	52.455	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/5/07	14:00	1.498	0.519	0.113	50.515	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/5/07	15:00	1.486	0.507	0.106	47.687	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/5/07	16:00	1.493	0.514	0.110	49.324	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/5/07	17:00	1.491	0.512	0.109	48.853	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/5/07	18:00	1.503	0.524	0.115	51.722	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/5/07	19:00	1.488	0.509	0.107	48.151	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/5/07	20:00	1.519	0.540	0.124	55.701	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/5/07	21:00	1.523	0.544	0.126	56.724	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/5/07	22:00	1.504	0.525	0.116	51.966	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/5/07	23:00	1.591	0.612	0.169	75.850	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/6/07	0:00	1.63	0.651	0.197	88.352	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/6/07	1:00	1.611	0.632	0.183	82.118	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/6/07	2:00	1.658	0.679	0.218	98.042	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/6/07	3:00	1.655	0.676	0.216	96.975	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/6/07	4:00	1.634	0.655	0.200	89.700	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/6/07	5:00	1.655	0.676	0.216	96.975	1.379	0.048	0.014629	0.005191	0.183377	82.300

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/6/07 6:00		1.655	0.676	0.216	96.975	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/6/07 7:00		1.664	0.685	0.223	100.198	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/6/07 8:00		1.669	0.690	0.227	102.016	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/6/07 9:00		1.683	0.704	0.239	107.211	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/6/07 10:00		1.681	0.702	0.237	106.459	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/6/07 11:00		1.783	0.804	0.332	148.929	1.391	0.06	0.018287	0.007117	0.251378	112.818
8/6/07 12:00		1.862	0.883	0.419	187.852	1.399	0.068	0.020725	0.008508	0.300526	134.876
8/6/07 13:00		1.937	0.958	0.512	229.927	1.403	0.072	0.021944	0.009234	0.326175	146.388
8/6/07 14:00		1.819	0.840	0.370	165.995	1.417	0.086	0.026211	0.011927	0.421278	189.070
8/6/07 15:00		1.735	0.756	0.285	127.879	1.407	0.076	0.023163	0.009980	0.352516	158.209
8/6/07 16:00		1.64	0.661	0.204	91.744	1.396	0.065	0.019811	0.007977	0.281753	126.451
8/6/07 17:00		1.702	0.723	0.255	114.510	1.391	0.06	0.018287	0.007117	0.251378	112.818
8/6/07 18:00		1.862	0.883	0.419	187.852	1.387	0.056	0.017067	0.006453	0.227923	102.292
8/6/07 19:00		1.583	0.604	0.164	73.426	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/6/07 20:00		1.56	0.581	0.149	66.717	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/6/07 21:00		1.562	0.583	0.150	67.285	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/6/07 22:00		1.571	0.592	0.156	69.878	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/6/07 23:00		1.538	0.559	0.135	60.658	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/7/07 0:00		1.587	0.608	0.166	74.632	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/7/07 1:00		1.598	0.619	0.174	78.010	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/7/07 2:00		1.598	0.619	0.174	78.010	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/7/07 3:00		1.644	0.665	0.207	93.122	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/7/07 4:00		1.644	0.665	0.207	93.122	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/7/07 5:00		2.024	1.045	0.636	285.262	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/7/07 6:00		1.977	0.998	0.567	254.480	1.427	0.096	0.029259	0.013986	0.494009	221.711
8/7/07 7:00		1.837	0.858	0.390	174.947	1.468	0.137	0.041755	0.023492	0.829766	372.399
8/7/07 8:00		1.696	0.717	0.250	112.173	1.411	0.08	0.024382	0.010745	0.379530	170.333
8/7/07 9:00		1.666	0.687	0.225	100.923	1.406	0.075	0.022858	0.009792	0.345867	155.225
8/7/07 10:00		1.607	0.628	0.180	80.841	1.403	0.072	0.021944	0.009234	0.326175	146.388
8/7/07 11:00		1.517	0.538	0.123	55.194	1.401	0.07	0.021334	0.008869	0.313263	140.593
8/7/07 12:00		1.534	0.555	0.133	59.593	1.399	0.068	0.020725	0.008508	0.300526	134.876
8/7/07 13:00		1.425	0.446	0.078	34.789	1.395	0.064	0.019506	0.007802	0.275586	123.683
8/7/07 14:00		1.389	0.410	0.063	28.293	1.394	0.063	0.019201	0.007629	0.269465	120.936

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/7/07	15:00	1.389	0.410	0.063	28.293	1.389	0.058	0.017677	0.006782	0.239554	107.512
8/7/07	16:00	1.379	0.400	0.059	26.630	1.391	0.06	0.018287	0.007117	0.251378	112.818
8/7/07	17:00	1.397	0.418	0.066	29.668	1.389	0.058	0.017677	0.006782	0.239554	107.512
8/7/07	18:00	1.381	0.402	0.060	26.958	1.391	0.06	0.018287	0.007117	0.251378	112.818
8/7/07	19:00	1.632	0.653	0.198	89.024	1.394	0.063	0.019201	0.007629	0.269465	120.936
8/7/07	20:00	1.59	0.611	0.168	75.544	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/7/07	21:00	1.552	0.573	0.144	64.474	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/7/07	22:00	1.561	0.582	0.149	67.001	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/7/07	23:00	1.553	0.574	0.144	64.752	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/8/07	0:00	1.562	0.583	0.150	67.285	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/8/07	1:00	1.673	0.694	0.231	103.484	1.387	0.056	0.017067	0.006453	0.227923	102.292
8/8/07	2:00	2.003	1.024	0.604	271.248	1.4	0.069	0.021030	0.008688	0.306872	137.724
8/8/07	3:00	1.897	0.918	0.461	206.853	1.43	0.099	0.030173	0.014625	0.516571	231.837
8/8/07	4:00	1.737	0.758	0.287	128.718	1.408	0.077	0.023468	0.010170	0.359207	161.212
8/8/07	5:00	1.702	0.723	0.255	114.510	1.395	0.064	0.019506	0.007802	0.275586	123.683
8/8/07	6:00	1.673	0.694	0.231	103.484	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/8/07	7:00	1.654	0.675	0.215	96.621	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/8/07	8:00	1.64	0.661	0.204	91.744	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/8/07	9:00	1.661	0.682	0.221	99.117	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/8/07	10:00	2.382	1.403	1.321	593.010	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/8/07	11:00	2.873	1.894	2.788	1251.194	1.596	0.265	0.080768	0.062142	2.194871	985.058
8/8/07	12:00	2.26	1.281	1.054	472.995	1.91	0.579	0.176470	0.198777	7.020801	3150.936
8/8/07	13:00	2.028	1.049	0.642	287.979	1.554	0.223	0.067967	0.048134	1.700099	763.005
8/8/07	14:00	1.909	0.930	0.476	213.622	1.458	0.127	0.038707	0.021025	0.742632	333.293
8/8/07	15:00	1.788	0.809	0.337	151.233	1.423	0.092	0.028040	0.013149	0.464454	208.447
8/8/07	16:00	1.729	0.750	0.279	125.382	1.406	0.075	0.022858	0.009792	0.345867	155.225
8/8/07	17:00	1.677	0.698	0.234	104.965	1.395	0.064	0.019506	0.007802	0.275586	123.683
8/8/07	18:00	1.649	0.670	0.211	94.862	1.39	0.059	0.017982	0.006949	0.245442	110.155
8/8/07	19:00	1.634	0.655	0.200	89.700	1.387	0.056	0.017067	0.006453	0.227923	102.292
8/8/07	20:00	1.634	0.655	0.200	89.700	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/8/07	21:00	1.635	0.656	0.201	90.038	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/8/07	22:00	1.637	0.658	0.202	90.718	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/8/07	23:00	1.627	0.648	0.195	87.350	1.38	0.049	0.014934	0.005344	0.188767	84.719

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/9/07 0:00		1.631	0.652	0.198	88.688	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/9/07 1:00		1.626	0.647	0.194	87.017	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/9/07 2:00		1.623	0.644	0.192	86.024	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/9/07 3:00		1.623	0.644	0.192	86.024	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/9/07 4:00		1.62	0.641	0.189	85.037	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/9/07 5:00		1.618	0.639	0.188	84.383	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/9/07 6:00		1.615	0.636	0.186	83.408	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/9/07 7:00		1.615	0.636	0.186	83.408	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/9/07 8:00		1.619	0.640	0.189	84.710	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/9/07 9:00		1.617	0.638	0.187	84.057	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/9/07 10:00		1.615	0.636	0.186	83.408	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/9/07 11:00		1.611	0.632	0.183	82.118	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/9/07 12:00		1.601	0.622	0.176	78.947	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/9/07 13:00		1.582	0.603	0.163	73.126	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/9/07 14:00		1.559	0.580	0.148	66.434	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/9/07 15:00		1.546	0.567	0.140	62.821	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/9/07 16:00		1.542	0.563	0.138	61.734	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/9/07 17:00		1.436	0.457	0.082	36.936	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/9/07 18:00		1.422	0.443	0.076	34.217	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/9/07 19:00		1.417	0.438	0.074	33.276	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/9/07 20:00		1.423	0.444	0.077	34.407	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/9/07 21:00		1.426	0.447	0.078	34.981	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/9/07 22:00		1.445	0.466	0.086	38.750	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/9/07 23:00		1.45	0.471	0.089	39.781	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/10/07 0:00		1.461	0.482	0.094	42.106	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/10/07 1:00		1.454	0.475	0.091	40.617	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/10/07 2:00		2.713	1.734	2.238	1004.395	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/10/07 3:00		2.863	1.884	2.751	1234.811	1.805	0.474	0.144468	0.147494	5.209479	2338.014
8/10/07 4:00		2.36	1.381	1.270	570.160	1.949	0.618	0.188357	0.219089	7.738204	3472.906
8/10/07 5:00		2.069	1.090	0.706	316.731	1.643	0.312	0.095092	0.079172	2.796374	1255.013
8/10/07 6:00		1.954	0.975	0.535	240.180	1.513	0.182	0.055470	0.035662	1.259584	565.301
8/10/07 7:00		1.815	0.836	0.366	164.043	1.451	0.12	0.036574	0.019354	0.683585	306.793
8/10/07 8:00		1.738	0.759	0.288	129.139	1.42	0.089	0.027125	0.012533	0.442691	198.680

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/10/07	9:00	1.691	0.712	0.246	110.249	1.406	0.075	0.022858	0.009792	0.345867	155.225
8/10/07	10:00	1.65	0.671	0.212	95.212	1.398	0.067	0.020420	0.008330	0.294223	132.048
8/10/07	11:00	1.625	0.646	0.193	86.685	1.392	0.061	0.018591	0.007286	0.257360	115.503
8/10/07	12:00	1.599	0.620	0.175	78.322	1.389	0.058	0.017677	0.006782	0.239554	107.512
8/10/07	13:00	1.576	0.597	0.159	71.343	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/10/07	14:00	1.54	0.561	0.136	61.195	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/10/07	15:00	1.512	0.533	0.120	53.939	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/10/07	16:00	1.493	0.514	0.110	49.324	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/10/07	17:00	1.487	0.508	0.107	47.919	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/10/07	18:00	1.466	0.487	0.096	43.188	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/10/07	19:00	1.466	0.487	0.096	43.188	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/10/07	20:00	1.469	0.490	0.098	43.846	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/10/07	21:00	1.482	0.503	0.104	46.766	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/10/07	22:00	1.487	0.508	0.107	47.919	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/10/07	23:00	1.497	0.518	0.112	50.275	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	0:00	1.507	0.528	0.117	52.700	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	1:00	1.508	0.529	0.118	52.947	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	2:00	1.554	0.575	0.145	65.030	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	3:00	1.558	0.579	0.147	66.152	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	4:00	1.566	0.587	0.152	68.430	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/11/07	5:00	1.563	0.584	0.151	67.571	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/11/07	6:00	1.565	0.586	0.152	68.143	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/11/07	7:00	1.576	0.597	0.159	71.343	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/11/07	8:00	1.566	0.587	0.152	68.430	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	9:00	1.566	0.587	0.152	68.430	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/11/07	10:00	1.567	0.588	0.153	68.718	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/11/07	11:00	1.556	0.577	0.146	65.590	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/11/07	12:00	1.525	0.546	0.128	57.239	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/11/07	13:00	1.493	0.514	0.110	49.324	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/11/07	14:00	1.483	0.504	0.105	46.995	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/11/07	15:00	1.474	0.495	0.100	44.956	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/11/07	16:00	1.467	0.488	0.097	43.407	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/11/07	17:00	1.458	0.479	0.092	41.464	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/11/07	18:00	1.496	0.517	0.111	50.037	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/11/07	19:00	1.492	0.513	0.109	49.088	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/11/07	20:00	1.524	0.545	0.127	56.981	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/11/07	21:00	1.534	0.555	0.133	59.593	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/11/07	22:00	1.535	0.556	0.133	59.859	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/11/07	23:00	1.493	0.514	0.110	49.324	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/12/07	0:00	1.508	0.529	0.118	52.947	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/12/07	1:00	1.518	0.539	0.124	55.447	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/12/07	2:00	1.524	0.545	0.127	56.981	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/12/07	3:00	1.525	0.546	0.128	57.239	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/12/07	4:00	1.529	0.550	0.130	58.278	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/12/07	5:00	1.528	0.549	0.129	58.018	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/12/07	6:00	1.534	0.555	0.133	59.593	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/12/07	7:00	1.536	0.557	0.134	60.124	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/12/07	8:00	1.538	0.559	0.135	60.658	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/12/07	9:00	1.533	0.554	0.132	59.329	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/12/07	10:00	1.541	0.562	0.137	61.464	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/12/07	11:00	1.528	0.549	0.129	58.018	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/12/07	12:00	1.523	0.544	0.126	56.724	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/12/07	13:00	1.504	0.525	0.116	51.966	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/12/07	14:00	1.488	0.509	0.107	48.151	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/12/07	15:00	1.474	0.495	0.100	44.956	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/12/07	16:00	1.454	0.475	0.091	40.617	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/12/07	17:00	1.454	0.475	0.091	40.617	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/12/07	18:00	2.019	1.040	0.628	281.887	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/12/07	19:00	2.156	1.177	0.854	383.266	1.481	0.15	0.045717	0.026833	0.947756	425.353
8/12/07	20:00	2.006	1.027	0.609	273.224	1.539	0.208	0.063395	0.043427	1.533858	688.395
8/12/07	21:00	1.872	0.893	0.430	193.169	1.454	0.123	0.037488	0.020064	0.708691	318.061
8/12/07	22:00	1.761	0.782	0.310	139.042	1.42	0.089	0.027125	0.012533	0.442691	198.680
8/12/07	23:00	1.693	0.714	0.247	111.016	1.403	0.072	0.021944	0.009234	0.326175	146.388
8/13/07	0:00	1.674	0.695	0.231	103.853	1.393	0.062	0.018896	0.007457	0.263389	118.209
8/13/07	1:00	1.646	0.667	0.209	93.815	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/13/07	2:00	1.636	0.657	0.201	90.378	1.387	0.056	0.017067	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/13/07	3:00	1.626	0.647	0.194	87.017	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/13/07	4:00	1.659	0.680	0.219	98.400	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/13/07	5:00	1.656	0.677	0.217	97.330	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/13/07	6:00	1.703	0.724	0.256	114.902	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/13/07	7:00	1.698	0.719	0.252	112.949	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/13/07	8:00	1.708	0.729	0.260	116.875	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/13/07	9:00	1.701	0.722	0.254	114.118	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/13/07	10:00	1.73	0.751	0.280	125.796	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/13/07	11:00	1.707	0.728	0.260	116.479	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/13/07	12:00	1.716	0.737	0.268	120.073	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/13/07	13:00	1.672	0.693	0.230	103.116	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/13/07	14:00	1.628	0.649	0.195	87.683	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/13/07	15:00	1.626	0.647	0.194	87.017	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/13/07	16:00	1.619	0.640	0.189	84.710	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/13/07	17:00	1.602	0.623	0.177	79.261	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/13/07	18:00	1.598	0.619	0.174	78.010	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/13/07	19:00	1.586	0.607	0.166	74.329	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/13/07	20:00	1.566	0.587	0.152	68.430	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/13/07	21:00	1.59	0.611	0.168	75.544	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/13/07	22:00	1.601	0.622	0.176	78.947	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/13/07	23:00	1.606	0.627	0.179	80.523	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	0:00	1.616	0.637	0.187	83.732	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	1:00	1.615	0.636	0.186	83.408	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/14/07	2:00	1.628	0.649	0.195	87.683	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/14/07	3:00	1.624	0.645	0.192	86.354	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	4:00	1.626	0.647	0.194	87.017	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/14/07	5:00	1.62	0.641	0.189	85.037	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/14/07	6:00	1.61	0.631	0.182	81.798	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/14/07	7:00	1.603	0.624	0.177	79.575	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/14/07	8:00	1.616	0.637	0.187	83.732	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	9:00	1.607	0.628	0.180	80.841	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/14/07	10:00	1.645	0.666	0.208	93.468	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/14/07	11:00	1.62	0.641	0.189	85.037	1.374	0.043	0.013105	0.004451	0.157221	70.561

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/14/07	12:00	1.594	0.615	0.171	76.771	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/14/07	13:00	1.566	0.587	0.152	68.430	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	14:00	1.556	0.577	0.146	65.590	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/14/07	15:00	1.538	0.559	0.135	60.658	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/14/07	16:00	1.549	0.570	0.142	63.644	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/14/07	17:00	1.525	0.546	0.128	57.239	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/14/07	18:00	1.502	0.523	0.115	51.479	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/14/07	19:00	1.499	0.520	0.113	50.755	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/14/07	20:00	1.561	0.582	0.149	67.001	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/14/07	21:00	1.559	0.580	0.148	66.434	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	22:00	1.575	0.596	0.158	71.049	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/14/07	23:00	1.594	0.615	0.171	76.771	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	0:00	1.595	0.616	0.172	77.080	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	1:00	1.591	0.612	0.169	75.850	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/15/07	2:00	1.618	0.639	0.188	84.383	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/15/07	3:00	1.622	0.643	0.191	85.694	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/15/07	4:00	1.621	0.642	0.190	85.365	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/15/07	5:00	1.621	0.642	0.190	85.365	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	6:00	1.596	0.617	0.172	77.389	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/15/07	7:00	1.6	0.621	0.175	78.634	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/15/07	8:00	1.619	0.640	0.189	84.710	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/15/07	9:00	1.668	0.689	0.226	101.651	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	10:00	1.666	0.687	0.225	100.923	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/15/07	11:00	1.655	0.676	0.216	96.975	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	12:00	1.619	0.640	0.189	84.710	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/15/07	13:00	1.632	0.653	0.198	89.024	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/15/07	14:00	1.619	0.640	0.189	84.710	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/15/07	15:00	1.613	0.634	0.184	82.762	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/15/07	16:00	1.613	0.634	0.184	82.762	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/15/07	17:00	1.592	0.613	0.170	76.156	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/15/07	18:00	1.648	0.669	0.211	94.512	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/15/07	19:00	1.659	0.680	0.219	98.400	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	20:00	1.663	0.684	0.222	99.837	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/15/07	21:00	1.674	0.695	0.231	103.853	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/15/07	22:00	1.671	0.692	0.229	102.749	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/15/07	23:00	1.673	0.694	0.231	103.484	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/16/07	0:00	1.684	0.705	0.240	107.588	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/16/07	1:00	1.679	0.700	0.236	105.711	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/16/07	2:00	1.683	0.704	0.239	107.211	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/16/07	3:00	1.697	0.718	0.251	112.561	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/16/07	4:00	1.703	0.724	0.256	114.902	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/16/07	5:00	1.703	0.724	0.256	114.902	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/16/07	6:00	1.729	0.750	0.279	125.382	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/16/07	7:00	1.705	0.726	0.258	115.689	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/16/07	8:00	1.824	0.845	0.375	168.453	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/16/07	9:00	1.927	0.948	0.499	224.021	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/16/07	10:00	1.904	0.925	0.470	210.785	1.399	0.068	0.020725	0.008508	0.300526	134.876
8/16/07	11:00	1.868	0.889	0.426	191.031	1.391	0.06	0.018287	0.007117	0.251378	112.818
8/16/07	12:00	1.843	0.864	0.397	177.994	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/16/07	13:00	1.54	0.561	0.136	61.195	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/16/07	14:00	1.524	0.545	0.127	56.981	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/16/07	15:00	1.515	0.536	0.122	54.690	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/16/07	16:00	1.506	0.527	0.117	52.455	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/16/07	17:00	1.504	0.525	0.116	51.966	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/16/07	18:00	1.488	0.509	0.107	48.151	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/16/07	19:00	1.475	0.496	0.101	45.180	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/16/07	20:00	1.47	0.491	0.098	44.067	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/16/07	21:00	1.474	0.495	0.100	44.956	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/16/07	22:00	1.483	0.504	0.105	46.995	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/16/07	23:00	1.487	0.508	0.107	47.919	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/17/07	0:00	1.492	0.513	0.109	49.088	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/17/07	1:00	1.496	0.517	0.111	50.037	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/17/07	2:00	1.491	0.512	0.109	48.853	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/17/07	3:00	1.507	0.528	0.117	52.700	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/17/07	4:00	1.502	0.523	0.115	51.479	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/17/07	5:00	1.495	0.516	0.111	49.799	1.371	0.04	0.012191	0.004025	0.142184	63.812

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/17/07	6:00	1.499	0.520	0.113	50.755	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/17/07	7:00	1.506	0.527	0.117	52.455	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/17/07	8:00	1.508	0.529	0.118	52.947	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/17/07	9:00	1.513	0.534	0.121	54.188	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/17/07	10:00	1.506	0.527	0.117	52.455	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/17/07	11:00	1.507	0.528	0.117	52.700	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/17/07	12:00	1.519	0.540	0.124	55.701	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/17/07	13:00	1.497	0.518	0.112	50.275	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/17/07	14:00	1.481	0.502	0.104	46.537	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/17/07	15:00	1.466	0.487	0.096	43.188	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/17/07	16:00	1.455	0.476	0.091	40.828	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/17/07	17:00	1.446	0.467	0.087	38.955	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/17/07	18:00	1.437	0.458	0.083	37.135	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/17/07	19:00	1.439	0.460	0.084	37.535	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/17/07	20:00	1.476	0.497	0.101	45.404	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/17/07	21:00	1.485	0.506	0.106	47.455	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/17/07	22:00	1.491	0.512	0.109	48.853	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/17/07	23:00	1.488	0.509	0.107	48.151	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/18/07	0:00	1.488	0.509	0.107	48.151	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/18/07	1:00	1.49	0.511	0.108	48.618	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/18/07	2:00	1.487	0.508	0.107	47.919	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/18/07	3:00	1.494	0.515	0.110	49.561	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/18/07	4:00	1.493	0.514	0.110	49.324	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/18/07	5:00	1.49	0.511	0.108	48.618	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/18/07	6:00	1.497	0.518	0.112	50.275	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/18/07	7:00	1.502	0.523	0.115	51.479	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/18/07	8:00	1.504	0.525	0.116	51.966	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/18/07	9:00	1.497	0.518	0.112	50.275	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/18/07	10:00	1.492	0.513	0.109	49.088	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/18/07	11:00	1.479	0.500	0.103	46.082	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/18/07	12:00	1.476	0.497	0.101	45.404	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/18/07	13:00	1.457	0.478	0.092	41.251	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/18/07	14:00	1.419	0.440	0.075	33.650	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/18/07	15:00	1.404	0.425	0.069	30.902	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/18/07	16:00	1.406	0.427	0.070	31.260	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/18/07	17:00	1.399	0.420	0.067	30.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/18/07	18:00	1.393	0.414	0.065	28.976	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/18/07	19:00	1.383	0.404	0.061	27.288	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/18/07	20:00	1.382	0.403	0.060	27.123	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/18/07	21:00	1.391	0.412	0.064	28.633	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/18/07	22:00	1.413	0.434	0.072	32.534	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/18/07	23:00	1.422	0.443	0.076	34.217	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/19/07	0:00	1.43	0.451	0.080	35.755	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/19/07	1:00	1.446	0.467	0.087	38.955	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/19/07	2:00	1.45	0.471	0.089	39.781	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/19/07	3:00	1.456	0.477	0.091	41.039	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/19/07	4:00	1.462	0.483	0.094	42.321	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/19/07	5:00	1.462	0.483	0.094	42.321	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/19/07	6:00	1.457	0.478	0.092	41.251	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/19/07	7:00	1.447	0.468	0.087	39.161	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/19/07	8:00	1.458	0.479	0.092	41.464	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/19/07	9:00	1.453	0.474	0.090	40.407	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/19/07	10:00	1.48	0.501	0.103	46.309	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/19/07	11:00	1.461	0.482	0.094	42.106	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/19/07	12:00	1.453	0.474	0.090	40.407	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/19/07	13:00	1.461	0.482	0.094	42.106	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/19/07	14:00	1.428	0.449	0.079	35.367	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/19/07	15:00	1.41	0.431	0.071	31.985	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/19/07	16:00	1.4	0.421	0.067	30.193	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/19/07	17:00	1.386	0.407	0.062	27.788	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/19/07	18:00	1.417	0.438	0.074	33.276	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/19/07	19:00	1.394	0.415	0.065	29.148	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/19/07	20:00	1.426	0.447	0.078	34.981	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/19/07	21:00	1.447	0.468	0.087	39.161	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/19/07	22:00	1.434	0.455	0.081	36.540	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/19/07	23:00	1.436	0.457	0.082	36.936	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/20/07	0:00	1.444	0.465	0.086	38.546	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/20/07	1:00	1.46	0.481	0.093	41.891	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/20/07	2:00	1.463	0.484	0.095	42.537	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/20/07	3:00	1.484	0.505	0.105	47.225	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/20/07	4:00	1.474	0.495	0.100	44.956	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/20/07	5:00	1.473	0.494	0.100	44.732	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/20/07	6:00	1.414	0.435	0.073	32.719	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/20/07	7:00	1.416	0.437	0.074	33.089	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/20/07	8:00	1.522	0.543	0.126	56.467	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/20/07	9:00	1.493	0.514	0.110	49.324	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/20/07	10:00	1.533	0.554	0.132	59.329	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/20/07	11:00	1.604	0.625	0.178	79.890	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/20/07	12:00	1.895	0.916	0.458	205.737	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/20/07	13:00	1.897	0.918	0.461	206.853	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/20/07	14:00	1.739	0.760	0.289	129.560	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/20/07	15:00	1.793	0.814	0.342	153.558	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/20/07	16:00	1.879	0.900	0.439	196.944	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/20/07	17:00	1.889	0.910	0.451	202.413	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/20/07	18:00	1.864	0.885	0.421	188.908	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/20/07	19:00	1.905	0.926	0.471	211.351	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/20/07	20:00	2.125	1.146	0.799	358.684	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/20/07	21:00	2.192	1.213	0.920	413.048	1.447	0.116	0.035355	0.018419	0.650584	291.982
8/20/07	22:00	2.148	1.169	0.840	376.828	1.485	0.154	0.046936	0.027890	0.985101	442.113
8/20/07	23:00	2.11	1.131	0.773	347.139	1.432	0.101	0.030783	0.015056	0.531797	238.671
8/21/07	0:00	2.084	1.105	0.730	327.662	1.405	0.074	0.022554	0.009605	0.339260	152.260
8/21/07	1:00	2.081	1.102	0.725	325.458	1.39	0.059	0.017982	0.006949	0.245442	110.155
8/21/07	2:00	2.071	1.092	0.709	318.175	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/21/07	3:00	2.085	1.106	0.732	328.398	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/21/07	4:00	2.089	1.110	0.738	331.355	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/21/07	5:00	2.092	1.113	0.743	333.583	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/21/07	6:00	2.089	1.110	0.738	331.355	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/21/07	7:00	2.1	1.121	0.757	339.568	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/21/07	8:00	2.077	1.098	0.719	322.533	1.371	0.04	0.012191	0.004025	0.142184	63.812

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/21/07	9:00	2.07	1.091	0.707	317.452	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/21/07	10:00	2.073	1.094	0.712	319.624	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/21/07	11:00	2.079	1.100	0.722	323.993	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/21/07	12:00	2.165	1.186	0.870	390.586	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/21/07	13:00	2.126	1.147	0.801	359.462	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/21/07	14:00	2.145	1.166	0.834	374.431	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/21/07	15:00	2.119	1.140	0.789	354.039	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/21/07	16:00	2.076	1.097	0.717	321.804	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/21/07	17:00	2.113	1.134	0.779	349.430	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/21/07	18:00	2.085	1.106	0.732	328.398	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/21/07	19:00	2.096	1.117	0.750	336.567	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/21/07	20:00	2.105	1.126	0.765	343.341	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/21/07	21:00	2.136	1.157	0.818	367.295	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/21/07	22:00	2.138	1.159	0.822	368.873	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/21/07	23:00	2.144	1.165	0.833	373.634	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/22/07	0:00	2.108	1.129	0.770	345.617	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/22/07	1:00	2.109	1.130	0.772	346.377	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/22/07	2:00	2.122	1.143	0.794	356.357	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/22/07	3:00	2.138	1.159	0.822	368.873	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/22/07	4:00	2.095	1.116	0.748	335.820	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/22/07	5:00	2.094	1.115	0.747	335.073	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/22/07	6:00	2.117	1.138	0.785	352.498	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/22/07	7:00	2.117	1.138	0.785	352.498	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/22/07	8:00	2.119	1.140	0.789	354.039	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/22/07	9:00	2.123	1.144	0.796	357.131	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/22/07	10:00	2.166	1.187	0.872	391.405	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/22/07	11:00	2.176	1.197	0.890	399.646	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/22/07	12:00	2.164	1.185	0.868	389.769	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/22/07	13:00	2.14	1.161	0.825	370.456	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/22/07	14:00	2.114	1.135	0.780	350.195	1.361	0.03	0.009143	0.002714	0.095872	43.028
8/22/07	15:00	2.093	1.114	0.745	334.328	1.36	0.029	0.008838	0.002593	0.091584	41.103
8/22/07	16:00	2.132	1.153	0.811	364.149	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/22/07	17:00	2.146	1.167	0.836	375.229	1.361	0.03	0.009143	0.002714	0.095872	43.028

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/22/07	18:00	2.148	1.169	0.840	376.828	1.358	0.027	0.008229	0.002355	0.083206	37.343
8/22/07	19:00	2.144	1.165	0.833	373.634	1.36	0.029	0.008838	0.002593	0.091584	41.103
8/22/07	20:00	2.155	1.176	0.852	382.457	1.363	0.032	0.009753	0.002962	0.104643	46.964
8/22/07	21:00	2.161	1.182	0.863	387.322	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/22/07	22:00	2.154	1.175	0.850	381.650	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/22/07	23:00	2.322	1.343	1.185	531.953	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/23/07	0:00	2.262	1.283	1.058	474.832	1.456	0.125	0.038098	0.020543	0.725595	325.647
8/23/07	1:00	2.226	1.247	0.986	442.412	1.486	0.155	0.047241	0.028157	0.994512	446.337
8/23/07	2:00	2.181	1.202	0.900	403.806	1.458	0.127	0.038707	0.021025	0.742632	333.293
8/23/07	3:00	2.158	1.179	0.858	384.885	1.423	0.092	0.028040	0.013149	0.464454	208.447
8/23/07	4:00	2.141	1.162	0.827	371.249	1.404	0.073	0.022249	0.009419	0.332696	149.314
8/23/07	5:00	2.134	1.155	0.815	365.720	1.394	0.063	0.019201	0.007629	0.269465	120.936
8/23/07	6:00	2.13	1.151	0.808	362.583	1.386	0.055	0.016763	0.006290	0.222180	99.714
8/23/07	7:00	2.13	1.151	0.808	362.583	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/23/07	8:00	2.125	1.146	0.799	358.684	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/23/07	9:00	2.125	1.146	0.799	358.684	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/23/07	10:00	2.134	1.155	0.815	365.720	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/23/07	11:00	1.59	0.611	0.168	75.544	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/23/07	12:00	1.584	0.605	0.164	73.726	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/23/07	13:00	1.565	0.586	0.152	68.143	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/23/07	14:00	1.545	0.566	0.139	62.549	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/23/07	15:00	1.52	0.541	0.125	55.956	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/23/07	16:00	1.504	0.525	0.116	51.966	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/23/07	17:00	1.493	0.514	0.110	49.324	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/23/07	18:00	1.497	0.518	0.112	50.275	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/23/07	19:00	1.509	0.530	0.119	53.194	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/23/07	20:00	1.774	0.795	0.323	144.835	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/23/07	21:00	1.773	0.794	0.322	144.384	1.407	0.076	0.023163	0.009980	0.352516	158.209
8/23/07	22:00	1.697	0.718	0.251	112.561	1.406	0.075	0.022858	0.009792	0.345867	155.225
8/23/07	23:00	2.437	1.458	1.454	652.510	1.392	0.061	0.018591	0.007286	0.257360	115.503
8/24/07	0:00	2.687	1.708	2.155	967.330	1.657	0.326	0.099359	0.084505	2.984736	1339.550
8/24/07	1:00	2.264	1.285	1.062	476.674	1.742	0.411	0.125266	0.119268	4.212527	1890.582
8/24/07	2:00	2.058	1.079	0.688	308.855	1.605	0.274	0.083511	0.065296	2.306264	1035.051

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/24/07	3:00	1.971	0.992	0.559	250.702	1.511	0.18	0.054861	0.035086	1.239241	556.172
8/24/07	4:00	1.886	0.907	0.447	200.763	1.454	0.123	0.037488	0.020064	0.708691	318.061
8/24/07	5:00	1.797	0.818	0.346	155.434	1.426	0.095	0.028954	0.013775	0.486564	218.370
8/24/07	6:00	1.736	0.757	0.286	128.298	1.409	0.078	0.023773	0.010360	0.365940	164.234
8/24/07	7:00	1.71	0.731	0.262	117.670	1.399	0.068	0.020725	0.008508	0.300526	134.876
8/24/07	8:00	1.686	0.707	0.241	108.344	1.394	0.063	0.019201	0.007629	0.269465	120.936
8/24/07	9:00	1.672	0.693	0.230	103.116	1.394	0.063	0.019201	0.007629	0.269465	120.936
8/24/07	10:00	1.66	0.681	0.220	98.758	1.389	0.058	0.017677	0.006782	0.239554	107.512
8/24/07	11:00	1.649	0.670	0.211	94.862	1.387	0.056	0.017067	0.006453	0.227923	102.292
8/24/07	12:00	1.635	0.656	0.201	90.038	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/24/07	13:00	1.622	0.643	0.191	85.694	1.385	0.054	0.016458	0.006129	0.216486	97.159
8/24/07	14:00	1.606	0.627	0.179	80.523	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/24/07	15:00	1.59	0.611	0.168	75.544	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/24/07	16:00	1.581	0.602	0.162	72.827	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/24/07	17:00	1.579	0.600	0.161	72.231	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/24/07	18:00	1.572	0.593	0.156	70.169	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/24/07	19:00	1.567	0.588	0.153	68.718	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/24/07	20:00	1.557	0.578	0.147	65.871	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/24/07	21:00	1.566	0.587	0.152	68.430	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/24/07	22:00	1.565	0.586	0.152	68.143	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/24/07	23:00	1.572	0.593	0.156	70.169	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/25/07	0:00	1.572	0.593	0.156	70.169	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/25/07	1:00	1.569	0.590	0.154	69.296	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/25/07	2:00	1.569	0.590	0.154	69.296	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/25/07	3:00	1.578	0.599	0.160	71.935	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/25/07	4:00	1.573	0.594	0.157	70.462	1.379	0.048	0.014629	0.005191	0.183377	82.300
8/25/07	5:00	1.568	0.589	0.154	69.007	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/25/07	6:00	1.579	0.600	0.161	72.231	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/25/07	7:00	1.565	0.586	0.152	68.143	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/25/07	8:00	1.56	0.581	0.149	66.717	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/25/07	9:00	1.565	0.586	0.152	68.143	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/25/07	10:00	1.554	0.575	0.145	65.030	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/25/07	11:00	1.571	0.592	0.156	69.878	1.375	0.044	0.013410	0.004596	0.162345	72.860

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/25/07	12:00	1.548	0.569	0.141	63.369	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/25/07	13:00	1.526	0.547	0.128	57.498	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/25/07	14:00	1.508	0.529	0.118	52.947	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/25/07	15:00	1.495	0.516	0.111	49.799	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/25/07	16:00	1.478	0.499	0.102	45.855	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/25/07	17:00	1.479	0.500	0.103	46.082	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/25/07	18:00	1.467	0.488	0.097	43.407	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/25/07	19:00	1.478	0.499	0.102	45.855	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/25/07	20:00	1.489	0.510	0.108	48.384	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/25/07	21:00	1.481	0.502	0.104	46.537	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/25/07	22:00	1.487	0.508	0.107	47.919	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/25/07	23:00	1.509	0.530	0.119	53.194	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/26/07	0:00	1.525	0.546	0.128	57.239	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/26/07	1:00	1.505	0.526	0.116	52.210	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/26/07	2:00	1.509	0.530	0.119	53.194	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/26/07	3:00	1.523	0.544	0.126	56.724	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/26/07	4:00	1.546	0.567	0.140	62.821	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/26/07	5:00	1.524	0.545	0.127	56.981	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/26/07	6:00	1.531	0.552	0.131	58.802	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/26/07	7:00	1.521	0.542	0.125	56.211	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/26/07	8:00	1.531	0.552	0.131	58.802	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/26/07	9:00	1.524	0.545	0.127	56.981	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/26/07	10:00	1.543	0.564	0.138	62.005	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/26/07	11:00	1.541	0.562	0.137	61.464	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/26/07	12:00	1.53	0.551	0.130	58.540	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/26/07	13:00	1.543	0.564	0.138	62.005	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/26/07	14:00	1.531	0.552	0.131	58.802	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/26/07	15:00	1.512	0.533	0.120	53.939	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/26/07	16:00	1.5	0.521	0.114	50.996	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/26/07	17:00	1.489	0.510	0.108	48.384	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/26/07	18:00	1.482	0.503	0.104	46.766	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/26/07	19:00	1.481	0.502	0.104	46.537	1.364	0.033	0.010057	0.003089	0.109124	48.975
8/26/07	20:00	1.49	0.511	0.108	48.618	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/26/07	21:00	1.496	0.517	0.111	50.037	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/26/07	22:00	1.502	0.523	0.115	51.479	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/26/07	23:00	1.508	0.529	0.118	52.947	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/27/07	0:00	1.514	0.535	0.121	54.439	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/27/07	1:00	1.516	0.537	0.122	54.942	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/27/07	2:00	1.53	0.551	0.130	58.540	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/27/07	3:00	1.487	0.508	0.107	47.919	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/27/07	4:00	1.489	0.510	0.108	48.384	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/27/07	5:00	1.501	0.522	0.114	51.237	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/27/07	6:00	1.486	0.507	0.106	47.687	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/27/07	7:00	1.495	0.516	0.111	49.799	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/27/07	8:00	1.497	0.518	0.112	50.275	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/27/07	9:00	1.493	0.514	0.110	49.324	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/27/07	10:00	1.481	0.502	0.104	46.537	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/27/07	11:00	1.447	0.468	0.087	39.161	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/27/07	12:00	1.451	0.472	0.089	39.989	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/27/07	13:00	1.442	0.463	0.085	38.140	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/27/07	14:00	1.437	0.458	0.083	37.135	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/27/07	15:00	1.425	0.446	0.078	34.789	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/27/07	16:00	1.403	0.424	0.068	30.724	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/27/07	17:00	1.404	0.425	0.069	30.902	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/27/07	18:00	1.402	0.423	0.068	30.546	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/27/07	19:00	1.396	0.417	0.066	29.494	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/27/07	20:00	1.447	0.468	0.087	39.161	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/27/07	21:00	1.45	0.471	0.089	39.781	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/27/07	22:00	1.462	0.483	0.094	42.321	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/27/07	23:00	1.477	0.498	0.102	45.629	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/28/07	0:00	1.476	0.497	0.101	45.404	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/28/07	1:00	1.487	0.508	0.107	47.919	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/28/07	2:00	1.484	0.505	0.105	47.225	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/28/07	3:00	1.495	0.516	0.111	49.799	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/28/07	4:00	1.476	0.497	0.101	45.404	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/28/07	5:00	1.501	0.522	0.114	51.237	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/28/07	6:00	1.51	0.531	0.119	53.441	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/28/07	7:00	1.472	0.493	0.099	44.510	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/28/07	8:00	1.502	0.523	0.115	51.479	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/28/07	9:00	1.509	0.530	0.119	53.194	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/28/07	10:00	1.521	0.542	0.125	56.211	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/28/07	11:00	1.527	0.548	0.129	57.757	1.376	0.045	0.013715	0.004743	0.167522	75.184
8/28/07	12:00	1.501	0.522	0.114	51.237	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/28/07	13:00	1.494	0.515	0.110	49.561	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/28/07	14:00	1.482	0.503	0.104	46.766	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/28/07	15:00	1.458	0.479	0.092	41.464	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/28/07	16:00	1.443	0.464	0.085	38.343	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/28/07	17:00	1.418	0.439	0.075	33.463	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/28/07	18:00	1.41	0.431	0.071	31.985	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/28/07	19:00	1.413	0.434	0.072	32.534	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/28/07	20:00	1.661	0.682	0.221	99.117	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/28/07	21:00	1.948	0.969	0.527	236.530	1.405	0.074	0.022554	0.009605	0.339260	152.260
8/28/07	22:00	2	1.021	0.600	269.280	1.437	0.106	0.032307	0.016152	0.570503	256.042
8/28/07	23:00	2.228	1.249	0.990	444.178	1.452	0.121	0.036879	0.019590	0.691920	310.534
8/29/07	0:00	2.281	1.302	1.097	492.500	1.559	0.228	0.069491	0.049738	1.756769	788.438
8/29/07	1:00	2.255	1.276	1.044	468.421	1.597	0.266	0.081072	0.062490	2.207157	990.572
8/29/07	2:00	2.245	1.266	1.024	459.351	1.587	0.256	0.078024	0.059041	2.085333	935.898
8/29/07	3:00	2.09	1.111	0.740	332.097	1.551	0.22	0.067052	0.047180	1.666396	747.879
8/29/07	4:00	2.013	1.034	0.619	277.868	1.499	0.168	0.051203	0.031697	1.119534	502.447
8/29/07	5:00	1.905	0.926	0.471	211.351	1.462	0.131	0.039926	0.022001	0.777098	348.762
8/29/07	6:00	1.829	0.850	0.381	170.933	1.435	0.104	0.031697	0.015711	0.554912	249.045
8/29/07	7:00	1.768	0.789	0.317	142.144	1.418	0.087	0.026516	0.012128	0.428376	192.256
8/29/07	8:00	1.735	0.756	0.285	127.879	1.406	0.075	0.022858	0.009792	0.345867	155.225
8/29/07	9:00	1.702	0.723	0.255	114.510	1.399	0.068	0.020725	0.008508	0.300526	134.876
8/29/07	10:00	1.684	0.705	0.240	107.588	1.396	0.065	0.019811	0.007977	0.281753	126.451
8/29/07	11:00	1.668	0.689	0.226	101.651	1.394	0.063	0.019201	0.007629	0.269465	120.936
8/29/07	12:00	1.663	0.684	0.222	99.837	1.392	0.061	0.018591	0.007286	0.257360	115.503
8/29/07	13:00	1.654	0.675	0.215	96.621	1.392	0.061	0.018591	0.007286	0.257360	115.503
8/29/07	14:00	1.65	0.671	0.212	95.212	1.391	0.06	0.018287	0.007117	0.251378	112.818

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/29/07	15:00	1.641	0.662	0.205	92.087	1.389	0.058	0.017677	0.006782	0.239554	107.512
8/29/07	16:00	1.625	0.646	0.193	86.685	1.388	0.057	0.017372	0.006617	0.233714	104.891
8/29/07	17:00	1.602	0.623	0.177	79.261	1.387	0.056	0.017067	0.006453	0.227923	102.292
8/29/07	18:00	1.591	0.612	0.169	75.850	1.386	0.055	0.016763	0.006290	0.222180	99.714
8/29/07	19:00	1.581	0.602	0.162	72.827	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/29/07	20:00	1.578	0.599	0.160	71.935	1.384	0.053	0.016153	0.005969	0.210841	94.626
8/29/07	21:00	1.578	0.599	0.160	71.935	1.383	0.052	0.015848	0.005811	0.205247	92.115
8/29/07	22:00	1.577	0.598	0.160	71.638	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/29/07	23:00	1.579	0.600	0.161	72.231	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/30/07	0:00	1.579	0.600	0.161	72.231	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/30/07	1:00	1.58	0.601	0.162	72.529	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/30/07	2:00	1.578	0.599	0.160	71.935	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/30/07	3:00	1.58	0.601	0.162	72.529	1.382	0.051	0.015544	0.005654	0.199702	89.627
8/30/07	4:00	1.577	0.598	0.160	71.638	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/30/07	5:00	1.577	0.598	0.160	71.638	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/30/07	6:00	1.579	0.600	0.161	72.231	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/30/07	7:00	1.577	0.598	0.160	71.638	1.381	0.05	0.015239	0.005498	0.194209	87.161
8/30/07	8:00	1.574	0.595	0.158	70.755	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/30/07	9:00	1.572	0.593	0.156	70.169	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/30/07	10:00	1.577	0.598	0.160	71.638	1.377	0.046	0.014020	0.004891	0.172754	77.532
8/30/07	11:00	1.57	0.591	0.155	69.587	1.378	0.047	0.014324	0.005040	0.178039	79.904
8/30/07	12:00	1.557	0.578	0.147	65.871	1.38	0.049	0.014934	0.005344	0.188767	84.719
8/30/07	13:00	1.54	0.561	0.136	61.195	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/30/07	14:00	1.52	0.541	0.125	55.956	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/30/07	15:00	1.496	0.517	0.111	50.037	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/30/07	16:00	1.49	0.511	0.108	48.618	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/30/07	17:00	1.483	0.504	0.105	46.995	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/30/07	18:00	1.477	0.498	0.102	45.629	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/30/07	19:00	1.481	0.502	0.104	46.537	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/30/07	20:00	1.49	0.511	0.108	48.618	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/30/07	21:00	1.496	0.517	0.111	50.037	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/30/07	22:00	1.506	0.527	0.117	52.455	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/30/07	23:00	1.531	0.552	0.131	58.802	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
8/31/07	0:00	1.526	0.547	0.128	57.498	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/31/07	1:00	1.537	0.558	0.135	60.391	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/31/07	2:00	1.539	0.560	0.136	60.926	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/31/07	3:00	1.552	0.573	0.144	64.474	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/31/07	4:00	1.559	0.580	0.148	66.434	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/31/07	5:00	1.535	0.556	0.133	59.859	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/31/07	6:00	1.542	0.563	0.138	61.734	1.375	0.044	0.013410	0.004596	0.162345	72.860
8/31/07	7:00	1.551	0.572	0.143	64.197	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/31/07	8:00	1.558	0.579	0.147	66.152	1.374	0.043	0.013105	0.004451	0.157221	70.561
8/31/07	9:00	1.537	0.558	0.135	60.391	1.373	0.042	0.012800	0.004307	0.152153	68.287
8/31/07	10:00	1.532	0.553	0.132	59.065	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/31/07	11:00	1.512	0.533	0.120	53.939	1.372	0.041	0.012496	0.004165	0.147140	66.037
8/31/07	12:00	1.513	0.534	0.121	54.188	1.371	0.04	0.012191	0.004025	0.142184	63.812
8/31/07	13:00	1.507	0.528	0.117	52.700	1.37	0.039	0.011886	0.003886	0.137285	61.614
8/31/07	14:00	1.49	0.511	0.108	48.618	1.369	0.038	0.011581	0.003749	0.132443	59.441
8/31/07	15:00	1.473	0.494	0.100	44.732	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/31/07	16:00	1.463	0.484	0.095	42.537	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/31/07	17:00	1.464	0.485	0.095	42.753	1.368	0.037	0.011277	0.003614	0.127660	57.294
8/31/07	18:00	1.459	0.480	0.093	41.677	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/31/07	19:00	1.454	0.475	0.091	40.617	1.367	0.036	0.010972	0.003480	0.122935	55.174
8/31/07	20:00	1.462	0.483	0.094	42.321	1.365	0.034	0.010362	0.003218	0.113667	51.014
8/31/07	21:00	1.475	0.496	0.101	45.180	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/31/07	22:00	1.493	0.514	0.110	49.324	1.366	0.035	0.010667	0.003348	0.118271	53.080
8/31/07	23:00	1.487	0.508	0.107	47.919	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/1/07	0:00	1.51	0.531	0.119	53.441	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/1/07	1:00	1.514	0.535	0.121	54.439	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/1/07	2:00	1.516	0.537	0.122	54.942	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/1/07	3:00	1.522	0.543	0.126	56.467	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/1/07	4:00	1.522	0.543	0.126	56.467	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/1/07	5:00	1.535	0.556	0.133	59.859	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/1/07	6:00	1.533	0.554	0.132	59.329	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/1/07	7:00	1.514	0.535	0.121	54.439	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/1/07	8:00	1.521	0.542	0.125	56.211	1.373	0.042	0.012800	0.004307	0.152153	68.287

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/1/07 9:00		1.514	0.535	0.121	54.439	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/1/07 10:00		1.528	0.549	0.129	58.018	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/1/07 11:00		1.536	0.557	0.134	60.124	1.378	0.047	0.014324	0.005040	0.178039	79.904
9/1/07 12:00		1.516	0.537	0.122	54.942	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/1/07 13:00		1.494	0.515	0.110	49.561	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/1/07 14:00		1.486	0.507	0.106	47.687	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/1/07 15:00		1.462	0.483	0.094	42.321	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/1/07 16:00		1.451	0.472	0.089	39.989	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/1/07 17:00		1.445	0.466	0.086	38.750	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/1/07 18:00		1.44	0.461	0.084	37.736	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/1/07 19:00		1.435	0.456	0.082	36.738	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/1/07 20:00		1.441	0.462	0.085	37.937	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/1/07 21:00		1.456	0.477	0.091	41.039	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/1/07 22:00		1.465	0.486	0.096	42.971	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/1/07 23:00		1.489	0.510	0.108	48.384	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/2/07 0:00		1.491	0.512	0.109	48.853	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/2/07 1:00		1.488	0.509	0.107	48.151	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/2/07 2:00		1.483	0.504	0.105	46.995	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/2/07 3:00		1.461	0.482	0.094	42.106	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/2/07 4:00		1.503	0.524	0.115	51.722	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/2/07 5:00		1.507	0.528	0.117	52.700	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/2/07 6:00		1.502	0.523	0.115	51.479	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/2/07 7:00		1.49	0.511	0.108	48.618	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/2/07 8:00		1.521	0.542	0.125	56.211	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/2/07 9:00		1.483	0.504	0.105	46.995	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/2/07 10:00		1.5	0.521	0.114	50.996	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/2/07 11:00		1.496	0.517	0.111	50.037	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/2/07 12:00		1.497	0.518	0.112	50.275	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/2/07 13:00		1.472	0.493	0.099	44.510	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/2/07 14:00		1.479	0.500	0.103	46.082	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/2/07 15:00		1.445	0.466	0.086	38.750	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/2/07 16:00		1.43	0.451	0.080	35.755	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/2/07 17:00		1.419	0.440	0.075	33.650	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/2/07	18:00	1.412	0.433	0.072	32.350	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/2/07	19:00	1.417	0.438	0.074	33.276	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/2/07	20:00	1.43	0.451	0.080	35.755	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/2/07	21:00	1.438	0.459	0.083	37.335	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/2/07	22:00	1.472	0.493	0.099	44.510	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/2/07	23:00	1.488	0.509	0.107	48.151	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/3/07	0:00	1.485	0.506	0.106	47.455	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/3/07	1:00	1.472	0.493	0.099	44.510	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/3/07	2:00	1.467	0.488	0.097	43.407	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/3/07	3:00	1.471	0.492	0.099	44.288	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/3/07	4:00	1.454	0.475	0.091	40.617	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/3/07	5:00	1.515	0.536	0.122	54.690	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/3/07	6:00	1.477	0.498	0.102	45.629	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/3/07	7:00	1.526	0.547	0.128	57.498	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/3/07	8:00	1.469	0.490	0.098	43.846	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/3/07	9:00	1.505	0.526	0.116	52.210	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/3/07	10:00	1.542	0.563	0.138	61.734	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/3/07	11:00	1.463	0.484	0.095	42.537	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/3/07	12:00	1.45	0.471	0.089	39.781	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/3/07	13:00	1.509	0.530	0.119	53.194	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/3/07	14:00	1.513	0.534	0.121	54.188	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/3/07	15:00	1.482	0.503	0.104	46.766	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/3/07	16:00	1.492	0.513	0.109	49.088	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/3/07	17:00	1.465	0.486	0.096	42.971	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/3/07	18:00	1.479	0.500	0.103	46.082	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/3/07	19:00	1.471	0.492	0.099	44.288	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/3/07	20:00	1.477	0.498	0.102	45.629	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/3/07	21:00	1.535	0.556	0.133	59.859	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/3/07	22:00	1.512	0.533	0.120	53.939	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/3/07	23:00	1.558	0.579	0.147	66.152	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/4/07	0:00	1.557	0.578	0.147	65.871	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/4/07	1:00	1.561	0.582	0.149	67.001	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/4/07	2:00	1.577	0.598	0.160	71.638	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/4/07	3:00	1.553	0.574	0.144	64.752	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/4/07	4:00	1.598	0.619	0.174	78.010	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/4/07	5:00	1.595	0.616	0.172	77.080	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/4/07	6:00	1.58	0.601	0.162	72.529	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/4/07	7:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/4/07	8:00	1.57	0.591	0.155	69.587	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/4/07	9:00	1.61	0.631	0.182	81.798	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/4/07	10:00	1.674	0.695	0.231	103.853	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/4/07	11:00	1.698	0.719	0.252	112.949	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/4/07	12:00	1.732	0.753	0.282	126.627	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/4/07	13:00	1.727	0.748	0.278	124.557	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/4/07	14:00	1.668	0.689	0.226	101.651	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/4/07	15:00	1.698	0.719	0.252	112.949	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/4/07	16:00	1.633	0.654	0.199	89.362	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/4/07	17:00	1.638	0.659	0.203	91.059	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/4/07	18:00	1.737	0.758	0.287	128.718	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/4/07	19:00	1.56	0.581	0.149	66.717	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/4/07	20:00	1.553	0.574	0.144	64.752	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/4/07	21:00	1.591	0.612	0.169	75.850	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/4/07	22:00	1.595	0.616	0.172	77.080	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/4/07	23:00	1.627	0.648	0.195	87.350	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/5/07	0:00	1.633	0.654	0.199	89.362	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/5/07	1:00	1.551	0.572	0.143	64.197	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	2:00	1.569	0.590	0.154	69.296	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/5/07	3:00	1.594	0.615	0.171	76.771	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	4:00	1.556	0.577	0.146	65.590	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/5/07	5:00	1.593	0.614	0.170	76.463	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/5/07	6:00	1.56	0.581	0.149	66.717	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	7:00	1.567	0.588	0.153	68.718	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/5/07	8:00	1.628	0.649	0.195	87.683	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/5/07	9:00	1.623	0.644	0.192	86.024	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/5/07	10:00	1.623	0.644	0.192	86.024	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/5/07	11:00	1.621	0.642	0.190	85.365	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/5/07	12:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/5/07	13:00	1.597	0.618	0.173	77.699	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/5/07	14:00	1.625	0.646	0.193	86.685	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/5/07	15:00	1.596	0.617	0.172	77.389	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/5/07	16:00	1.557	0.578	0.147	65.871	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	17:00	1.567	0.588	0.153	68.718	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	18:00	1.546	0.567	0.140	62.821	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/5/07	19:00	1.534	0.555	0.133	59.593	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	20:00	1.559	0.580	0.148	66.434	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/5/07	21:00	1.581	0.602	0.162	72.827	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/5/07	22:00	1.587	0.608	0.166	74.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/5/07	23:00	1.553	0.574	0.144	64.752	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/6/07	0:00	1.581	0.602	0.162	72.827	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/6/07	1:00	1.555	0.576	0.146	65.310	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/6/07	2:00	1.65	0.671	0.212	95.212	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/6/07	3:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/6/07	4:00	1.615	0.636	0.186	83.408	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/6/07	5:00	1.617	0.638	0.187	84.057	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/6/07	6:00	1.633	0.654	0.199	89.362	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/6/07	7:00	1.626	0.647	0.194	87.017	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/6/07	8:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/6/07	9:00	1.621	0.642	0.190	85.365	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/6/07	10:00	1.635	0.656	0.201	90.038	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/6/07	11:00	1.633	0.654	0.199	89.362	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/6/07	12:00	1.693	0.714	0.247	111.016	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/6/07	13:00	1.646	0.667	0.209	93.815	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/6/07	14:00	1.605	0.626	0.179	80.206	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/6/07	15:00	1.564	0.585	0.151	67.856	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/6/07	16:00	1.321	0.342	0.040	18.146	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/6/07	17:00	1.276	0.297	0.029	12.860	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/6/07	18:00	1.328	0.349	0.042	19.067	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/6/07	19:00	1.346	0.367	0.048	21.565	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/6/07	20:00	1.359	0.380	0.052	23.484	1.361	0.03	0.009143	0.002714	0.095872	43.028

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/6/07	21:00	1.387	0.408	0.062	27.956	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/6/07	22:00	1.944	0.965	0.522	234.116	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/6/07	23:00	1.923	0.944	0.494	221.684	1.485	0.154	0.046936	0.027890	0.985101	442.113
9/7/07	0:00	1.822	0.843	0.373	167.467	1.435	0.104	0.031697	0.015711	0.554912	249.045
9/7/07	1:00	1.751	0.772	0.300	134.682	1.399	0.068	0.020725	0.008508	0.300526	134.876
9/7/07	2:00	1.723	0.744	0.274	122.915	1.384	0.053	0.016153	0.005969	0.210841	94.626
9/7/07	3:00	1.694	0.715	0.248	111.401	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/7/07	4:00	1.661	0.682	0.221	99.117	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/7/07	5:00	1.687	0.708	0.242	108.723	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/7/07	6:00	1.684	0.705	0.240	107.588	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/7/07	7:00	1.681	0.702	0.237	106.459	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/7/07	8:00	1.674	0.695	0.231	103.853	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/7/07	9:00	1.669	0.690	0.227	102.016	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/7/07	10:00	1.667	0.688	0.226	101.286	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/7/07	11:00	1.661	0.682	0.221	99.117	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/7/07	12:00	1.65	0.671	0.212	95.212	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/7/07	13:00	1.646	0.667	0.209	93.815	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/7/07	14:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/7/07	15:00	1.536	0.557	0.134	60.124	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/7/07	16:00	1.579	0.600	0.161	72.231	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/7/07	17:00	1.551	0.572	0.143	64.197	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/7/07	18:00	1.549	0.570	0.142	63.644	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/7/07	19:00	1.548	0.569	0.141	63.369	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/7/07	20:00	1.531	0.552	0.131	58.802	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/7/07	21:00	1.61	0.631	0.182	81.798	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/7/07	22:00	1.64	0.661	0.204	91.744	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/7/07	23:00	1.646	0.667	0.209	93.815	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07	0:00	1.648	0.669	0.211	94.512	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/8/07	1:00	1.638	0.659	0.203	91.059	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07	2:00	1.651	0.672	0.213	95.563	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/8/07	3:00	1.663	0.684	0.222	99.837	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07	4:00	1.665	0.686	0.224	100.560	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/8/07	5:00	1.685	0.706	0.241	107.965	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/8/07 6:00		1.676	0.697	0.233	104.594	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/8/07 7:00		1.678	0.699	0.235	105.338	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 8:00		1.645	0.666	0.208	93.468	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 9:00		1.722	0.743	0.273	122.507	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/8/07 10:00		1.807	0.828	0.357	160.183	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/8/07 11:00		1.772	0.793	0.321	143.935	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/8/07 12:00		1.78	0.801	0.329	147.557	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/8/07 13:00		1.76	0.781	0.309	138.602	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/8/07 14:00		1.738	0.759	0.288	129.139	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 15:00		1.695	0.716	0.249	111.787	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 16:00		1.569	0.590	0.154	69.296	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/8/07 17:00		1.553	0.574	0.144	64.752	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 18:00		1.553	0.574	0.144	64.752	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/8/07 19:00		1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/8/07 20:00		1.571	0.592	0.156	69.878	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 21:00		1.61	0.631	0.182	81.798	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/8/07 22:00		1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/8/07 23:00		1.625	0.646	0.193	86.685	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/9/07 0:00		1.631	0.652	0.198	88.688	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/9/07 1:00		1.652	0.673	0.214	95.915	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/9/07 2:00		1.668	0.689	0.226	101.651	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/9/07 3:00		1.672	0.693	0.230	103.116	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/9/07 4:00		1.622	0.643	0.191	85.694	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/9/07 5:00		1.605	0.626	0.179	80.206	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/9/07 6:00		1.626	0.647	0.194	87.017	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/9/07 7:00		1.647	0.668	0.210	94.163	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/9/07 8:00		1.614	0.635	0.185	83.085	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/9/07 9:00		1.633	0.654	0.199	89.362	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/9/07 10:00		1.638	0.659	0.203	91.059	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/9/07 11:00		1.649	0.670	0.211	94.862	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/9/07 12:00		1.635	0.656	0.201	90.038	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/9/07 13:00		1.657	0.678	0.218	97.686	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/9/07 14:00		1.671	0.692	0.229	102.749	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/9/07	15:00	1.702	0.723	0.255	114.510	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/9/07	16:00	1.676	0.697	0.233	104.594	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/9/07	17:00	1.695	0.716	0.249	111.787	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/9/07	18:00	1.696	0.717	0.250	112.173	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/9/07	19:00	1.693	0.714	0.247	111.016	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/9/07	20:00	1.705	0.726	0.258	115.689	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/9/07	21:00	1.716	0.737	0.268	120.073	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/9/07	22:00	1.718	0.739	0.269	120.881	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/9/07	23:00	1.72	0.741	0.271	121.692	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/10/07	0:00	1.711	0.732	0.263	118.068	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/10/07	1:00	1.713	0.734	0.265	118.868	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/10/07	2:00	1.718	0.739	0.269	120.881	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/10/07	3:00	1.72	0.741	0.271	121.692	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/10/07	4:00	1.72	0.741	0.271	121.692	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/10/07	5:00	1.722	0.743	0.273	122.507	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/10/07	6:00	1.727	0.748	0.278	124.557	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/10/07	7:00	1.724	0.745	0.275	123.324	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/10/07	8:00	1.724	0.745	0.275	123.324	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/10/07	9:00	1.736	0.757	0.286	128.298	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/10/07	10:00	1.741	0.762	0.291	130.405	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/10/07	11:00	1.764	0.785	0.313	140.366	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/10/07	12:00	1.802	0.823	0.352	157.797	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/10/07	13:00	1.813	0.834	0.363	163.073	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/10/07	14:00	1.795	0.816	0.344	154.494	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/10/07	15:00	1.788	0.809	0.337	151.233	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/10/07	16:00	1.799	0.820	0.348	156.377	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/10/07	17:00	1.783	0.804	0.332	148.929	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/10/07	18:00	1.771	0.792	0.320	143.486	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/10/07	19:00	1.762	0.783	0.311	139.483	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/10/07	20:00	1.755	0.776	0.304	136.416	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/10/07	21:00	1.745	0.766	0.294	132.106	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/10/07	22:00	1.745	0.766	0.294	132.106	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/10/07	23:00	1.741	0.762	0.291	130.405	1.367	0.036	0.010972	0.003480	0.122935	55.174

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/11/07 0:00		1.74	0.761	0.290	129.982	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/11/07 1:00		1.75	0.771	0.299	134.251	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/11/07 2:00		1.701	0.722	0.254	114.118	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/11/07 3:00		1.726	0.747	0.277	124.145	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/11/07 4:00		1.724	0.745	0.275	123.324	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/11/07 5:00		1.738	0.759	0.288	129.139	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/11/07 6:00		1.734	0.755	0.284	127.461	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/11/07 7:00		1.731	0.752	0.281	126.211	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/11/07 8:00		1.743	0.764	0.292	131.254	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/11/07 9:00		1.757	0.778	0.306	137.288	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/11/07 10:00		1.752	0.773	0.301	135.115	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/11/07 11:00		1.745	0.766	0.294	132.106	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/11/07 12:00		1.734	0.755	0.284	127.461	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/11/07 13:00		1.734	0.755	0.284	127.461	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/11/07 14:00		1.746	0.767	0.295	132.534	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/11/07 15:00		1.719	0.740	0.270	121.286	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/11/07 16:00		1.724	0.745	0.275	123.324	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/11/07 17:00		1.708	0.729	0.260	116.875	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/11/07 18:00		1.703	0.724	0.256	114.902	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/11/07 19:00		1.701	0.722	0.254	114.118	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/11/07 20:00		1.712	0.733	0.264	118.468	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/11/07 21:00		1.705	0.726	0.258	115.689	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/11/07 22:00		1.695	0.716	0.249	111.787	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/11/07 23:00		1.683	0.704	0.239	107.211	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/12/07 0:00		1.671	0.692	0.229	102.749	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/12/07 1:00		1.703	0.724	0.256	114.902	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/12/07 2:00		1.694	0.715	0.248	111.401	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/12/07 3:00		1.694	0.715	0.248	111.401	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/12/07 4:00		1.738	0.759	0.288	129.139	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/12/07 5:00		1.722	0.743	0.273	122.507	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/12/07 6:00		1.708	0.729	0.260	116.875	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/12/07 7:00		1.733	0.754	0.283	127.044	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/12/07 8:00		1.736	0.757	0.286	128.298	1.359	0.028	0.008533	0.002473	0.087361	39.208

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/12/07	9:00	1.745	0.766	0.294	132.106	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/12/07	10:00	1.745	0.766	0.294	132.106	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/12/07	11:00	1.74	0.761	0.290	129.982	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/12/07	12:00	1.738	0.759	0.288	129.139	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/12/07	13:00	1.725	0.746	0.276	123.734	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/12/07	14:00	1.725	0.746	0.276	123.734	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/12/07	15:00	1.733	0.754	0.283	127.044	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/12/07	16:00	1.748	0.769	0.297	133.391	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/12/07	17:00	1.734	0.755	0.284	127.461	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/12/07	18:00	1.755	0.776	0.304	136.416	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/12/07	19:00	1.725	0.746	0.276	123.734	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/12/07	20:00	1.715	0.736	0.267	119.671	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/12/07	21:00	1.719	0.740	0.270	121.286	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/12/07	22:00	1.733	0.754	0.283	127.044	1.355	0.024	0.007314	0.002014	0.071152	31.933
9/12/07	23:00	1.737	0.758	0.287	128.718	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/13/07	0:00	1.746	0.767	0.295	132.534	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/13/07	1:00	1.746	0.767	0.295	132.534	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/13/07	2:00	1.75	0.771	0.299	134.251	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/13/07	3:00	1.732	0.753	0.282	126.627	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/13/07	4:00	1.75	0.771	0.299	134.251	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/13/07	5:00	1.762	0.783	0.311	139.483	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/13/07	6:00	1.776	0.797	0.325	145.739	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/13/07	7:00	1.748	0.769	0.297	133.391	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/13/07	8:00	1.733	0.754	0.283	127.044	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/13/07	9:00	1.752	0.773	0.301	135.115	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/13/07	10:00	1.766	0.787	0.315	141.253	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/13/07	11:00	1.769	0.790	0.318	142.590	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/13/07	12:00	1.751	0.772	0.300	134.682	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/13/07	13:00	1.747	0.768	0.296	132.962	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/13/07	14:00	1.726	0.747	0.277	124.145	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/13/07	15:00	1.722	0.743	0.273	122.507	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/13/07	16:00	1.429	0.450	0.079	35.561	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/13/07	17:00	1.406	0.427	0.070	31.260	1.359	0.028	0.008533	0.002473	0.087361	39.208

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/13/07	18:00	1.399	0.420	0.067	30.017	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/13/07	19:00	1.396	0.417	0.066	29.494	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/13/07	20:00	1.4	0.421	0.067	30.193	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/13/07	21:00	1.383	0.404	0.061	27.288	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/13/07	22:00	1.408	0.429	0.070	31.621	1.352	0.021	0.006400	0.001691	0.059744	26.813
9/13/07	23:00	1.42	0.441	0.075	33.838	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/14/07	0:00	1.431	0.452	0.080	35.950	1.355	0.024	0.007314	0.002014	0.071152	31.933
9/14/07	1:00	1.45	0.471	0.089	39.781	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/14/07	2:00	1.419	0.440	0.075	33.650	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/14/07	3:00	1.454	0.475	0.091	40.617	1.352	0.021	0.006400	0.001691	0.059744	26.813
9/14/07	4:00	1.482	0.503	0.104	46.766	1.356	0.025	0.007619	0.002126	0.075100	33.705
9/14/07	5:00	1.435	0.456	0.082	36.738	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/14/07	6:00	1.447	0.468	0.087	39.161	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/14/07	7:00	1.412	0.433	0.072	32.350	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/14/07	8:00	1.43	0.451	0.080	35.755	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/14/07	9:00	1.44	0.461	0.084	37.736	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/14/07	10:00	1.463	0.484	0.095	42.537	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/14/07	11:00	1.475	0.496	0.101	45.180	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/14/07	12:00	1.47	0.491	0.098	44.067	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/14/07	13:00	1.416	0.437	0.074	33.089	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/14/07	14:00	1.461	0.482	0.094	42.106	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/14/07	15:00	1.459	0.480	0.093	41.677	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/14/07	16:00	1.462	0.483	0.094	42.321	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/14/07	17:00	1.467	0.488	0.097	43.407	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/14/07	18:00	1.448	0.469	0.088	39.367	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/14/07	19:00	1.45	0.471	0.089	39.781	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/14/07	20:00	1.445	0.466	0.086	38.750	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/14/07	21:00	1.44	0.461	0.084	37.736	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/14/07	22:00	1.447	0.468	0.087	39.161	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/14/07	23:00	1.454	0.475	0.091	40.617	1.358	0.027	0.008229	0.002355	0.083206	37.343
9/15/07	0:00	1.459	0.480	0.093	41.677	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/15/07	1:00	1.466	0.487	0.096	43.188	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/15/07	2:00	1.48	0.501	0.103	46.309	1.359	0.028	0.008533	0.002473	0.087361	39.208

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/15/07	3:00	1.494	0.515	0.110	49.561	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/15/07	4:00	1.494	0.515	0.110	49.561	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/15/07	5:00	1.461	0.482	0.094	42.106	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/15/07	6:00	1.463	0.484	0.095	42.537	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/15/07	7:00	1.459	0.480	0.093	41.677	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/15/07	8:00	1.497	0.518	0.112	50.275	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/15/07	9:00	1.485	0.506	0.106	47.455	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/15/07	10:00	1.475	0.496	0.101	45.180	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/15/07	11:00	1.468	0.489	0.097	43.626	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/15/07	12:00	1.461	0.482	0.094	42.106	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/15/07	13:00	1.466	0.487	0.096	43.188	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/15/07	14:00	1.459	0.480	0.093	41.677	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/15/07	15:00	1.454	0.475	0.091	40.617	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/15/07	16:00	1.451	0.472	0.089	39.989	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/15/07	17:00	1.454	0.475	0.091	40.617	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/15/07	18:00	1.447	0.468	0.087	39.161	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/15/07	19:00	1.451	0.472	0.089	39.989	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/15/07	20:00	1.459	0.480	0.093	41.677	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/15/07	21:00	1.456	0.477	0.091	41.039	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/15/07	22:00	1.459	0.480	0.093	41.677	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/15/07	23:00	1.47	0.491	0.098	44.067	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/16/07	0:00	1.475	0.496	0.101	45.180	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/16/07	1:00	1.475	0.496	0.101	45.180	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/16/07	2:00	1.468	0.489	0.097	43.626	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/16/07	3:00	1.475	0.496	0.101	45.180	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/16/07	4:00	1.475	0.496	0.101	45.180	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/16/07	5:00	1.541	0.562	0.137	61.464	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/16/07	6:00	1.546	0.567	0.140	62.821	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/16/07	7:00	1.536	0.557	0.134	60.124	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/16/07	8:00	1.527	0.548	0.129	57.757	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/16/07	9:00	1.532	0.553	0.132	59.065	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/16/07	10:00	1.536	0.557	0.134	60.124	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/16/07	11:00	1.555	0.576	0.146	65.310	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/16/07	12:00	1.562	0.583	0.150	67.285	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/16/07	13:00	1.555	0.576	0.146	65.310	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/16/07	14:00	1.532	0.553	0.132	59.065	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/16/07	15:00	1.556	0.577	0.146	65.590	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/16/07	16:00	1.547	0.568	0.141	63.095	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/16/07	17:00	1.542	0.563	0.138	61.734	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/16/07	18:00	1.538	0.559	0.135	60.658	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/16/07	19:00	1.524	0.545	0.127	56.981	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/16/07	20:00	1.53	0.551	0.130	58.540	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/16/07	21:00	1.53	0.551	0.130	58.540	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/16/07	22:00	1.558	0.579	0.147	66.152	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/16/07	23:00	1.56	0.581	0.149	66.717	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/17/07	0:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/17/07	1:00	1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/17/07	2:00	1.593	0.614	0.170	76.463	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/17/07	3:00	1.586	0.607	0.166	74.329	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	4:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	5:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	6:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	7:00	1.591	0.612	0.169	75.850	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	8:00	1.624	0.645	0.192	86.354	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	9:00	1.565	0.586	0.152	68.143	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/17/07	10:00	1.619	0.640	0.189	84.710	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/17/07	11:00	1.725	0.746	0.276	123.734	1.391	0.06	0.018287	0.007117	0.251378	112.818
9/17/07	12:00	1.825	0.846	0.376	168.947	1.383	0.052	0.015848	0.005811	0.205247	92.115
9/17/07	13:00	1.776	0.797	0.325	145.739	1.384	0.053	0.016153	0.005969	0.210841	94.626
9/17/07	14:00	1.763	0.784	0.312	139.924	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/17/07	15:00	1.745	0.766	0.294	132.106	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/17/07	16:00	1.725	0.746	0.276	123.734	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/17/07	17:00	1.728	0.749	0.278	124.969	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/17/07	18:00	1.709	0.730	0.261	117.272	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/17/07	19:00	1.725	0.746	0.276	123.734	1.357	0.026	0.007924	0.002240	0.079118	35.508
9/17/07	20:00	1.722	0.743	0.273	122.507	1.362	0.031	0.009448	0.002837	0.100226	44.982

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/17/07	21:00	1.707	0.728	0.260	116.479	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/17/07	22:00	1.751	0.772	0.300	134.682	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/17/07	23:00	1.753	0.774	0.302	135.548	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/18/07	0:00	1.748	0.769	0.297	133.391	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/18/07	1:00	1.75	0.771	0.299	134.251	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/18/07	2:00	1.778	0.799	0.327	146.646	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/18/07	3:00	1.745	0.766	0.294	132.106	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/18/07	4:00	1.792	0.813	0.341	153.091	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/18/07	5:00	1.811	0.832	0.361	162.106	1.382	0.051	0.015544	0.005654	0.199702	89.627
9/18/07	6:00	1.843	0.864	0.397	177.994	1.382	0.051	0.015544	0.005654	0.199702	89.627
9/18/07	7:00	1.939	0.960	0.515	231.119	1.388	0.057	0.017372	0.006617	0.233714	104.891
9/18/07	8:00	2.139	1.160	0.824	369.664	1.409	0.078	0.023773	0.010360	0.365940	164.234
9/18/07	9:00	2.112	1.133	0.777	348.665	1.467	0.136	0.041450	0.023242	0.820908	368.424
9/18/07	10:00	2.035	1.056	0.652	292.772	1.452	0.121	0.036879	0.019590	0.691920	310.534
9/18/07	11:00	1.955	0.976	0.537	240.791	1.414	0.083	0.025297	0.011331	0.400223	179.620
9/18/07	12:00	1.915	0.936	0.484	217.055	1.393	0.062	0.018896	0.007457	0.263389	118.209
9/18/07	13:00	1.883	0.904	0.444	199.121	1.384	0.053	0.016153	0.005969	0.210841	94.626
9/18/07	14:00	1.953	0.974	0.534	239.569	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/18/07	15:00	2.038	1.059	0.657	294.841	1.389	0.058	0.017677	0.006782	0.239554	107.512
9/18/07	16:00	2.008	1.029	0.612	274.546	1.415	0.084	0.025601	0.011528	0.407201	182.752
9/18/07	17:00	1.947	0.968	0.526	235.926	1.404	0.073	0.022249	0.009419	0.332696	149.314
9/18/07	18:00	1.919	0.940	0.489	219.362	1.39	0.059	0.017982	0.006949	0.245442	110.155
9/18/07	19:00	1.893	0.914	0.456	204.626	1.386	0.055	0.016763	0.006290	0.222180	99.714
9/18/07	20:00	2.724	1.745	2.273	1020.328	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/18/07	21:00	2.667	1.688	2.093	939.386	1.731	0.4	0.121914	0.114547	4.045816	1815.762
9/18/07	22:00	2.256	1.277	1.046	469.333	1.682	0.351	0.106979	0.094313	3.331123	1495.008
9/18/07	23:00	2.14	1.161	0.825	370.456	1.543	0.212	0.064614	0.044666	1.577629	708.040
9/19/07	0:00	2.07	1.091	0.707	317.452	1.488	0.157	0.047851	0.028692	1.013423	454.824
9/19/07	1:00	2.025	1.046	0.637	285.940	1.443	0.112	0.034135	0.017500	0.618131	277.418
9/19/07	2:00	1.966	0.987	0.552	247.579	1.417	0.086	0.026211	0.011927	0.421278	189.070
9/19/07	3:00	1.952	0.973	0.532	238.960	1.405	0.074	0.022554	0.009605	0.339260	152.260
9/19/07	4:00	1.929	0.950	0.502	225.195	1.4	0.069	0.021030	0.008688	0.306872	137.724
9/19/07	5:00	1.94	0.961	0.516	231.717	1.397	0.066	0.020115	0.008153	0.287966	129.239

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/19/07	6:00	1.921	0.942	0.491	220.522	1.389	0.058	0.017677	0.006782	0.239554	107.512
9/19/07	7:00	1.898	0.919	0.462	207.412	1.387	0.056	0.017067	0.006453	0.227923	102.292
9/19/07	8:00	1.893	0.914	0.456	204.626	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/19/07	9:00	1.886	0.907	0.447	200.763	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/19/07	10:00	1.884	0.905	0.445	199.667	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/19/07	11:00	1.879	0.900	0.439	196.944	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/19/07	12:00	1.912	0.933	0.480	215.334	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/19/07	13:00	1.912	0.933	0.480	215.334	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/19/07	14:00	1.908	0.929	0.475	213.053	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/19/07	15:00	1.631	0.652	0.198	88.688	1.38	0.049	0.014934	0.005344	0.188767	84.719
9/19/07	16:00	1.611	0.632	0.183	82.118	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/19/07	17:00	1.597	0.618	0.173	77.699	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/19/07	18:00	1.59	0.611	0.168	75.544	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/19/07	19:00	1.578	0.599	0.160	71.935	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/19/07	20:00	1.578	0.599	0.160	71.935	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/19/07	21:00	1.559	0.580	0.148	66.434	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/19/07	22:00	1.57	0.591	0.155	69.587	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/19/07	23:00	1.582	0.603	0.163	73.126	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/20/07	0:00	1.591	0.612	0.169	75.850	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/20/07	1:00	1.591	0.612	0.169	75.850	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	2:00	1.586	0.607	0.166	74.329	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	3:00	1.584	0.605	0.164	73.726	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/20/07	4:00	1.59	0.611	0.168	75.544	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/20/07	5:00	1.558	0.579	0.147	66.152	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/20/07	6:00	1.607	0.628	0.180	80.841	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/20/07	7:00	1.602	0.623	0.177	79.261	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	8:00	1.583	0.604	0.164	73.426	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	9:00	1.579	0.600	0.161	72.231	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/20/07	10:00	1.583	0.604	0.164	73.426	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/20/07	11:00	1.596	0.617	0.172	77.389	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/20/07	12:00	1.554	0.575	0.145	65.030	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/20/07	13:00	1.574	0.595	0.158	70.755	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/20/07	14:00	1.545	0.566	0.139	62.549	1.381	0.05	0.015239	0.005498	0.194209	87.161

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/20/07	15:00	1.56	0.581	0.149	66.717	1.38	0.049	0.014934	0.005344	0.188767	84.719
9/20/07	16:00	1.54	0.561	0.136	61.195	1.38	0.049	0.014934	0.005344	0.188767	84.719
9/20/07	17:00	1.521	0.542	0.125	56.211	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/20/07	18:00	1.5	0.521	0.114	50.996	1.376	0.045	0.013715	0.004743	0.167522	75.184
9/20/07	19:00	1.497	0.518	0.112	50.275	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	20:00	1.499	0.520	0.113	50.755	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	21:00	1.496	0.517	0.111	50.037	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/20/07	22:00	1.54	0.561	0.136	61.195	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/20/07	23:00	1.53	0.551	0.130	58.540	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/21/07	0:00	1.537	0.558	0.135	60.391	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/21/07	1:00	1.525	0.546	0.128	57.239	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/21/07	2:00	1.539	0.560	0.136	60.926	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/21/07	3:00	1.548	0.569	0.141	63.369	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/21/07	4:00	1.545	0.566	0.139	62.549	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/21/07	5:00	1.545	0.566	0.139	62.549	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/21/07	6:00	1.552	0.573	0.144	64.474	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/21/07	7:00	1.549	0.570	0.142	63.644	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/21/07	8:00	1.54	0.561	0.136	61.195	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/21/07	9:00	1.514	0.535	0.121	54.439	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/21/07	10:00	1.57	0.591	0.155	69.587	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/21/07	11:00	1.55	0.571	0.142	63.920	1.38	0.049	0.014934	0.005344	0.188767	84.719
9/21/07	12:00	1.541	0.562	0.137	61.464	1.378	0.047	0.014324	0.005040	0.178039	79.904
9/21/07	13:00	1.519	0.540	0.124	55.701	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/21/07	14:00	1.558	0.579	0.147	66.152	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/21/07	15:00	1.518	0.539	0.124	55.447	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/21/07	16:00	1.496	0.517	0.111	50.037	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/21/07	17:00	1.491	0.512	0.109	48.853	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/21/07	18:00	1.477	0.498	0.102	45.629	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/21/07	19:00	1.46	0.481	0.093	41.891	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/21/07	20:00	1.479	0.500	0.103	46.082	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/21/07	21:00	1.499	0.520	0.113	50.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/21/07	22:00	1.52	0.541	0.125	55.956	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/21/07	23:00	1.503	0.524	0.115	51.722	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/22/07	0:00	1.514	0.535	0.121	54.439	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/22/07	1:00	1.462	0.483	0.094	42.321	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/22/07	2:00	1.502	0.523	0.115	51.479	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/22/07	3:00	1.527	0.548	0.129	57.757	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/22/07	4:00	1.541	0.562	0.137	61.464	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/22/07	5:00	1.52	0.541	0.125	55.956	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/22/07	6:00	1.527	0.548	0.129	57.757	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/22/07	7:00	1.527	0.548	0.129	57.757	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/22/07	8:00	1.527	0.548	0.129	57.757	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/22/07	9:00	1.531	0.552	0.131	58.802	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/22/07	10:00	1.541	0.562	0.137	61.464	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/22/07	11:00	1.736	0.757	0.286	128.298	1.376	0.045	0.013715	0.004743	0.167522	75.184
9/22/07	12:00	1.696	0.717	0.250	112.173	1.379	0.048	0.014629	0.005191	0.183377	82.300
9/22/07	13:00	1.701	0.722	0.254	114.118	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/22/07	14:00	1.709	0.730	0.261	117.272	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/22/07	15:00	1.663	0.684	0.222	99.837	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/22/07	16:00	1.696	0.717	0.250	112.173	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/22/07	17:00	1.675	0.696	0.232	104.223	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/22/07	18:00	1.671	0.692	0.229	102.749	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/22/07	19:00	1.626	0.647	0.194	87.017	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/22/07	20:00	1.63	0.651	0.197	88.352	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/22/07	21:00	1.644	0.665	0.207	93.122	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/22/07	22:00	1.65	0.671	0.212	95.212	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/22/07	23:00	1.655	0.676	0.216	96.975	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/23/07	0:00	1.645	0.666	0.208	93.468	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/23/07	1:00	1.668	0.689	0.226	101.651	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/23/07	2:00	1.664	0.685	0.223	100.198	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/23/07	3:00	1.518	0.539	0.124	55.447	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/23/07	4:00	1.548	0.569	0.141	63.369	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/23/07	5:00	1.574	0.595	0.158	70.755	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/23/07	6:00	1.525	0.546	0.128	57.239	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/23/07	7:00	1.522	0.543	0.126	56.467	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/23/07	8:00	1.524	0.545	0.127	56.981	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/23/07	9:00	1.539	0.560	0.136	60.926	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/23/07	10:00	1.534	0.555	0.133	59.593	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/23/07	11:00	1.518	0.539	0.124	55.447	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/23/07	12:00	1.523	0.544	0.126	56.724	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/23/07	13:00	1.503	0.524	0.115	51.722	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/23/07	14:00	1.481	0.502	0.104	46.537	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/23/07	15:00	1.463	0.484	0.095	42.537	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/23/07	16:00	1.483	0.504	0.105	46.995	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/23/07	17:00	1.497	0.518	0.112	50.275	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/23/07	18:00	1.471	0.492	0.099	44.288	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/23/07	19:00	1.469	0.490	0.098	43.846	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/23/07	20:00	1.498	0.519	0.113	50.515	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/23/07	21:00	1.505	0.526	0.116	52.210	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/23/07	22:00	1.512	0.533	0.120	53.939	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/23/07	23:00	1.521	0.542	0.125	56.211	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/24/07	0:00	1.53	0.551	0.130	58.540	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/24/07	1:00	1.527	0.548	0.129	57.757	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/24/07	2:00	1.536	0.557	0.134	60.124	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/24/07	3:00	1.508	0.529	0.118	52.947	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/24/07	4:00	1.508	0.529	0.118	52.947	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/24/07	5:00	1.514	0.535	0.121	54.439	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/24/07	6:00	1.533	0.554	0.132	59.329	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/24/07	7:00	1.575	0.596	0.158	71.049	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/24/07	8:00	1.596	0.617	0.172	77.389	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/24/07	9:00	1.598	0.619	0.174	78.010	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/24/07	10:00	1.608	0.629	0.181	81.159	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/24/07	11:00	1.613	0.634	0.184	82.762	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/24/07	12:00	1.626	0.647	0.194	87.017	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/24/07	13:00	1.504	0.525	0.116	51.966	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/24/07	14:00	1.489	0.510	0.108	48.384	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/24/07	15:00	1.466	0.487	0.096	43.188	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/24/07	16:00	1.459	0.480	0.093	41.677	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/24/07	17:00	1.438	0.459	0.083	37.335	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/24/07	18:00	1.445	0.466	0.086	38.750	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/24/07	19:00	1.445	0.466	0.086	38.750	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/24/07	20:00	1.487	0.508	0.107	47.919	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/24/07	21:00	1.496	0.517	0.111	50.037	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/24/07	22:00	1.72	0.741	0.271	121.692	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/24/07	23:00	2.027	1.048	0.640	287.298	1.392	0.061	0.018591	0.007286	0.257360	115.503
9/25/07	0:00	1.956	0.977	0.538	241.404	1.449	0.118	0.035964	0.018885	0.667016	299.357
9/25/07	1:00	2.185	1.206	0.907	407.152	1.428	0.097	0.029564	0.014198	0.501492	225.070
9/25/07	2:00	2.183	1.204	0.903	405.477	1.528	0.197	0.060042	0.040080	1.415625	635.333
9/25/07	3:00	2.028	1.049	0.642	287.979	1.52	0.189	0.057604	0.037702	1.331647	597.643
9/25/07	4:00	1.886	0.907	0.447	200.763	1.449	0.118	0.035964	0.018885	0.667016	299.357
9/25/07	5:00	1.802	0.823	0.352	157.797	1.415	0.084	0.025601	0.011528	0.407201	182.752
9/25/07	6:00	1.769	0.790	0.318	142.590	1.403	0.072	0.021944	0.009234	0.326175	146.388
9/25/07	7:00	1.727	0.748	0.278	124.557	1.398	0.067	0.020420	0.008330	0.294223	132.048
9/25/07	8:00	1.696	0.717	0.250	112.173	1.391	0.06	0.018287	0.007117	0.251378	112.818
9/25/07	9:00	1.668	0.689	0.226	101.651	1.385	0.054	0.016458	0.006129	0.216486	97.159
9/25/07	10:00	1.656	0.677	0.217	97.330	1.385	0.054	0.016458	0.006129	0.216486	97.159
9/25/07	11:00	1.642	0.663	0.206	92.431	1.382	0.051	0.015544	0.005654	0.199702	89.627
9/25/07	12:00	1.63	0.651	0.197	88.352	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/25/07	13:00	1.609	0.630	0.182	81.478	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/25/07	14:00	1.598	0.619	0.174	78.010	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/25/07	15:00	1.586	0.607	0.166	74.329	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/25/07	16:00	1.584	0.605	0.164	73.726	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/25/07	17:00	1.578	0.599	0.160	71.935	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/25/07	18:00	1.57	0.591	0.155	69.587	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/25/07	19:00	1.566	0.587	0.152	68.430	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/25/07	20:00	1.568	0.589	0.154	69.007	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/25/07	21:00	1.565	0.586	0.152	68.143	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/25/07	22:00	1.567	0.588	0.153	68.718	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/25/07	23:00	1.574	0.595	0.158	70.755	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/26/07	0:00	1.567	0.588	0.153	68.718	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/26/07	1:00	1.569	0.590	0.154	69.296	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/26/07	2:00	1.576	0.597	0.159	71.343	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/26/07	3:00	1.56	0.581	0.149	66.717	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/26/07	4:00	1.567	0.588	0.153	68.718	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/26/07	5:00	1.571	0.592	0.156	69.878	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/26/07	6:00	1.569	0.590	0.154	69.296	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/26/07	7:00	1.684	0.705	0.240	107.588	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/26/07	8:00	1.698	0.719	0.252	112.949	1.386	0.055	0.016763	0.006290	0.222180	99.714
9/26/07	9:00	1.611	0.632	0.183	82.118	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/26/07	10:00	1.527	0.548	0.129	57.757	1.376	0.045	0.013715	0.004743	0.167522	75.184
9/26/07	11:00	1.614	0.635	0.185	83.085	1.377	0.046	0.014020	0.004891	0.172754	77.532
9/26/07	12:00	1.618	0.639	0.188	84.383	1.38	0.049	0.014934	0.005344	0.188767	84.719
9/26/07	13:00	1.567	0.588	0.153	68.718	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/26/07	14:00	1.556	0.577	0.146	65.590	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/26/07	15:00	1.575	0.596	0.158	71.049	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/26/07	16:00	1.621	0.642	0.190	85.365	1.374	0.043	0.013105	0.004451	0.157221	70.561
9/26/07	17:00	1.6	0.621	0.175	78.634	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/26/07	18:00	1.595	0.616	0.172	77.080	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/26/07	19:00	1.595	0.616	0.172	77.080	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/26/07	20:00	1.597	0.618	0.173	77.699	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/26/07	21:00	1.601	0.622	0.176	78.947	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/26/07	22:00	1.61	0.631	0.182	81.798	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/26/07	23:00	1.6	0.621	0.175	78.634	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/27/07	0:00	1.605	0.626	0.179	80.206	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/27/07	1:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/27/07	2:00	1.607	0.628	0.180	80.841	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/27/07	3:00	1.609	0.630	0.182	81.478	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/27/07	4:00	1.616	0.637	0.187	83.732	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/27/07	5:00	1.621	0.642	0.190	85.365	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/27/07	6:00	1.614	0.635	0.185	83.085	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/27/07	7:00	1.609	0.630	0.182	81.478	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/27/07	8:00	1.616	0.637	0.187	83.732	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/27/07	9:00	1.618	0.639	0.188	84.383	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/27/07	10:00	1.621	0.642	0.190	85.365	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/27/07	11:00	1.614	0.635	0.185	83.085	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/27/07	12:00	1.604	0.625	0.178	79.890	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/27/07	13:00	1.591	0.612	0.169	75.850	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/27/07	14:00	1.556	0.577	0.146	65.590	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/27/07	15:00	1.55	0.571	0.142	63.920	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/27/07	16:00	1.531	0.552	0.131	58.802	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/27/07	17:00	1.534	0.555	0.133	59.593	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/27/07	18:00	1.527	0.548	0.129	57.757	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/27/07	19:00	1.529	0.550	0.130	58.278	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/27/07	20:00	1.549	0.570	0.142	63.644	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/27/07	21:00	1.558	0.579	0.147	66.152	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/27/07	22:00	1.56	0.581	0.149	66.717	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/27/07	23:00	1.565	0.586	0.152	68.143	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/28/07	0:00	1.569	0.590	0.154	69.296	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/28/07	1:00	1.574	0.595	0.158	70.755	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/28/07	2:00	1.576	0.597	0.159	71.343	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/28/07	3:00	1.585	0.606	0.165	74.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/28/07	4:00	1.583	0.604	0.164	73.426	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/28/07	5:00	1.576	0.597	0.159	71.343	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/28/07	6:00	1.583	0.604	0.164	73.426	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/28/07	7:00	1.576	0.597	0.159	71.343	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/28/07	8:00	1.546	0.567	0.140	62.821	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/28/07	9:00	1.564	0.585	0.151	67.856	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/28/07	10:00	1.586	0.607	0.166	74.329	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/28/07	11:00	1.592	0.613	0.170	76.156	1.376	0.045	0.013715	0.004743	0.167522	75.184
9/28/07	12:00	1.597	0.618	0.173	77.699	1.375	0.044	0.013410	0.004596	0.162345	72.860
9/28/07	13:00	1.532	0.553	0.132	59.065	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/28/07	14:00	1.504	0.525	0.116	51.966	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/28/07	15:00	1.486	0.507	0.106	47.687	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/28/07	16:00	1.467	0.488	0.097	43.407	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/28/07	17:00	1.465	0.486	0.096	42.971	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/28/07	18:00	1.468	0.489	0.097	43.626	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/28/07	19:00	1.474	0.495	0.100	44.956	1.361	0.03	0.009143	0.002714	0.095872	43.028
9/28/07	20:00	1.481	0.502	0.104	46.537	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/28/07	21:00	1.485	0.506	0.106	47.455	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/28/07	22:00	1.492	0.513	0.109	49.088	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/28/07	23:00	1.499	0.520	0.113	50.755	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/29/07	0:00	1.504	0.525	0.116	51.966	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/29/07	1:00	1.511	0.532	0.120	53.689	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/29/07	2:00	1.515	0.536	0.122	54.690	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/29/07	3:00	1.52	0.541	0.125	55.956	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/29/07	4:00	1.525	0.546	0.128	57.239	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/29/07	5:00	1.527	0.548	0.129	57.757	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/29/07	6:00	1.529	0.550	0.130	58.278	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/29/07	7:00	1.532	0.553	0.132	59.065	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/29/07	8:00	1.531	0.552	0.131	58.802	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/29/07	9:00	1.531	0.552	0.131	58.802	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/29/07	10:00	1.51	0.531	0.119	53.441	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/29/07	11:00	1.511	0.532	0.120	53.689	1.37	0.039	0.011886	0.003886	0.137285	61.614
9/29/07	12:00	1.497	0.518	0.112	50.275	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/29/07	13:00	1.488	0.509	0.107	48.151	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/29/07	14:00	1.495	0.516	0.111	49.799	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/29/07	15:00	1.496	0.517	0.111	50.037	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/29/07	16:00	1.463	0.484	0.095	42.537	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/29/07	17:00	1.468	0.489	0.097	43.626	1.359	0.028	0.008533	0.002473	0.087361	39.208
9/29/07	18:00	1.485	0.506	0.106	47.455	1.362	0.031	0.009448	0.002837	0.100226	44.982
9/29/07	19:00	1.461	0.482	0.094	42.106	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/29/07	20:00	1.472	0.493	0.099	44.510	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/29/07	21:00	1.484	0.505	0.105	47.225	1.36	0.029	0.008838	0.002593	0.091584	41.103
9/29/07	22:00	1.498	0.519	0.113	50.515	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/29/07	23:00	1.507	0.528	0.117	52.700	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/30/07	0:00	1.495	0.516	0.111	49.799	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/30/07	1:00	1.469	0.490	0.098	43.846	1.367	0.036	0.010972	0.003480	0.122935	55.174
9/30/07	2:00	1.494	0.515	0.110	49.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/30/07	3:00	1.508	0.529	0.118	52.947	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/30/07	4:00	1.515	0.536	0.122	54.690	1.368	0.037	0.011277	0.003614	0.127660	57.294
9/30/07	5:00	1.518	0.539	0.124	55.447	1.372	0.041	0.012496	0.004165	0.147140	66.037

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
9/30/07	6:00	1.525	0.546	0.128	57.239	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/30/07	7:00	1.522	0.543	0.126	56.467	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/30/07	8:00	1.525	0.546	0.128	57.239	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/30/07	9:00	1.492	0.513	0.109	49.088	1.371	0.04	0.012191	0.004025	0.142184	63.812
9/30/07	10:00	1.508	0.529	0.118	52.947	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/30/07	11:00	1.551	0.572	0.143	64.197	1.383	0.052	0.015848	0.005811	0.205247	92.115
9/30/07	12:00	1.584	0.605	0.164	73.726	1.383	0.052	0.015848	0.005811	0.205247	92.115
9/30/07	13:00	1.57	0.591	0.155	69.587	1.381	0.05	0.015239	0.005498	0.194209	87.161
9/30/07	14:00	1.529	0.550	0.130	58.278	1.373	0.042	0.012800	0.004307	0.152153	68.287
9/30/07	15:00	1.508	0.529	0.118	52.947	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/30/07	16:00	1.506	0.527	0.117	52.455	1.372	0.041	0.012496	0.004165	0.147140	66.037
9/30/07	17:00	1.497	0.518	0.112	50.275	1.369	0.038	0.011581	0.003749	0.132443	59.441
9/30/07	18:00	1.491	0.512	0.109	48.853	1.366	0.035	0.010667	0.003348	0.118271	53.080
9/30/07	19:00	1.509	0.530	0.119	53.194	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/30/07	20:00	1.516	0.537	0.122	54.942	1.363	0.032	0.009753	0.002962	0.104643	46.964
9/30/07	21:00	1.504	0.525	0.116	51.966	1.365	0.034	0.010362	0.003218	0.113667	51.014
9/30/07	22:00	1.52	0.541	0.125	55.956	1.364	0.033	0.010057	0.003089	0.109124	48.975
9/30/07	23:00	1.522	0.543	0.126	56.467	1.361	0.03	0.009143	0.002714	0.095872	43.028
10/1/07	0:00	1.518	0.539	0.124	55.447	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/1/07	1:00	1.532	0.553	0.132	59.065	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/1/07	2:00	1.569	0.590	0.154	69.296	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/1/07	3:00	1.557	0.578	0.147	65.871	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/1/07	4:00	1.501	0.522	0.114	51.237	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	5:00	1.501	0.522	0.114	51.237	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	6:00	1.496	0.517	0.111	50.037	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/1/07	7:00	1.463	0.484	0.095	42.537	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/1/07	8:00	1.447	0.468	0.087	39.161	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/1/07	9:00	1.477	0.498	0.102	45.629	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	10:00	1.548	0.569	0.141	63.369	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	11:00	1.545	0.566	0.139	62.549	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/1/07	12:00	1.536	0.557	0.134	60.124	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/1/07	13:00	1.527	0.548	0.129	57.757	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/1/07	14:00	1.511	0.532	0.120	53.689	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/1/07	15:00	1.528	0.549	0.129	58.018	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	16:00	1.393	0.414	0.065	28.976	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/1/07	17:00	1.518	0.539	0.124	55.447	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/1/07	18:00	1.532	0.553	0.132	59.065	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/1/07	19:00	1.536	0.557	0.134	60.124	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	20:00	1.55	0.571	0.142	63.920	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/1/07	21:00	1.524	0.545	0.127	56.981	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/1/07	22:00	1.54	0.561	0.136	61.195	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/1/07	23:00	1.551	0.572	0.143	64.197	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/2/07	0:00	1.553	0.574	0.144	64.752	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/2/07	1:00	1.558	0.579	0.147	66.152	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/2/07	2:00	1.562	0.583	0.150	67.285	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/2/07	3:00	1.572	0.593	0.156	70.169	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/2/07	4:00	1.574	0.595	0.158	70.755	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/2/07	5:00	1.586	0.607	0.166	74.329	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/2/07	6:00	1.56	0.581	0.149	66.717	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/2/07	7:00	1.661	0.682	0.221	99.117	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/2/07	8:00	1.785	0.806	0.334	149.848	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/2/07	9:00	1.905	0.926	0.471	211.351	1.401	0.07	0.021334	0.008869	0.313263	140.593
10/2/07	10:00	2.14	1.161	0.825	370.456	1.425	0.094	0.028649	0.013566	0.479156	215.045
10/2/07	11:00	2.079	1.100	0.722	323.993	1.488	0.157	0.047851	0.028692	1.013423	454.824
10/2/07	12:00	1.943	0.964	0.520	233.515	1.484	0.153	0.046632	0.027625	0.975719	437.903
10/2/07	13:00	1.918	0.939	0.487	218.784	1.439	0.108	0.032916	0.016597	0.586237	263.104
10/2/07	14:00	1.857	0.878	0.413	185.227	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/2/07	15:00	1.789	0.810	0.338	151.696	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/2/07	16:00	1.728	0.749	0.278	124.969	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/2/07	17:00	1.695	0.716	0.249	111.787	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/2/07	18:00	1.66	0.681	0.220	98.758	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/2/07	19:00	1.66	0.681	0.220	98.758	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/2/07	20:00	1.657	0.678	0.218	97.686	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/2/07	21:00	1.633	0.654	0.199	89.362	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/2/07	22:00	1.64	0.661	0.204	91.744	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/2/07	23:00	1.64	0.661	0.204	91.744	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/3/07	0:00	1.633	0.654	0.199	89.362	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/3/07	1:00	1.654	0.675	0.215	96.621	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/3/07	2:00	1.637	0.658	0.202	90.718	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/3/07	3:00	1.644	0.665	0.207	93.122	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/3/07	4:00	1.665	0.686	0.224	100.560	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/3/07	5:00	1.658	0.679	0.218	98.042	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/3/07	6:00	1.642	0.663	0.206	92.431	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/3/07	7:00	1.647	0.668	0.210	94.163	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/3/07	8:00	1.647	0.668	0.210	94.163	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/3/07	9:00	1.649	0.670	0.211	94.862	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/3/07	10:00	1.654	0.675	0.215	96.621	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/3/07	11:00	1.665	0.686	0.224	100.560	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/3/07	12:00	1.656	0.677	0.217	97.330	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/3/07	13:00	1.694	0.715	0.248	111.401	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/3/07	14:00	1.689	0.710	0.244	109.484	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/3/07	15:00	1.695	0.716	0.249	111.787	1.361	0.03	0.009143	0.002714	0.095872	43.028
10/3/07	16:00	1.698	0.719	0.252	112.949	1.36	0.029	0.008838	0.002593	0.091584	41.103
10/3/07	17:00	1.684	0.705	0.240	107.588	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/3/07	18:00	1.684	0.705	0.240	107.588	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/3/07	19:00	1.69	0.711	0.245	109.866	1.361	0.03	0.009143	0.002714	0.095872	43.028
10/3/07	20:00	1.709	0.730	0.261	117.272	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/3/07	21:00	1.72	0.741	0.271	121.692	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/3/07	22:00	1.741	0.762	0.291	130.405	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/3/07	23:00	1.75	0.771	0.299	134.251	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/4/07	0:00	1.757	0.778	0.306	137.288	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/4/07	1:00	1.776	0.797	0.325	145.739	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/4/07	2:00	1.788	0.809	0.337	151.233	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07	3:00	1.818	0.839	0.369	165.506	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07	4:00	1.851	0.872	0.406	182.106	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/4/07	5:00	1.881	0.902	0.441	198.030	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/4/07	6:00	1.867	0.888	0.424	190.499	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/4/07	7:00	1.874	0.895	0.433	194.243	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07	8:00	1.856	0.877	0.412	184.704	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/4/07 9:00		1.818	0.839	0.369	165.506	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07 10:00		1.914	0.935	0.482	216.481	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/4/07 11:00		1.609	0.630	0.182	81.478	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/4/07 12:00		1.588	0.609	0.167	74.935	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/4/07 13:00		1.579	0.600	0.161	72.231	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/4/07 14:00		1.565	0.586	0.152	68.143	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/4/07 15:00		1.565	0.586	0.152	68.143	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/4/07 16:00		1.552	0.573	0.144	64.474	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/4/07 17:00		1.538	0.559	0.135	60.658	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07 18:00		1.564	0.585	0.151	67.856	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/4/07 19:00		1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/4/07 20:00		1.613	0.634	0.184	82.762	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07 21:00		1.651	0.672	0.213	95.563	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/4/07 22:00		1.653	0.674	0.215	96.268	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/4/07 23:00		1.653	0.674	0.215	96.268	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/5/07 0:00		1.657	0.678	0.218	97.686	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/5/07 1:00		1.667	0.688	0.226	101.286	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/5/07 2:00		1.702	0.723	0.255	114.510	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/5/07 3:00		1.709	0.730	0.261	117.272	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/5/07 4:00		1.857	0.878	0.413	185.227	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/5/07 5:00		1.904	0.925	0.470	210.785	1.39	0.059	0.017982	0.006949	0.245442	110.155
10/5/07 6:00		1.976	0.997	0.566	253.848	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/5/07 7:00		1.971	0.992	0.559	250.702	1.406	0.075	0.022858	0.009792	0.345867	155.225
10/5/07 8:00		1.91	0.931	0.477	214.192	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/5/07 9:00		1.851	0.872	0.406	182.106	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/5/07 10:00		1.87	0.891	0.428	192.098	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/5/07 11:00		1.838	0.859	0.391	175.453	1.389	0.058	0.017677	0.006782	0.239554	107.512
10/5/07 12:00		1.947	0.968	0.526	235.926	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/5/07 13:00		1.828	0.849	0.380	170.436	1.388	0.057	0.017372	0.006617	0.233714	104.891
10/5/07 14:00		1.815	0.836	0.366	164.043	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/5/07 15:00		1.877	0.898	0.436	195.861	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/5/07 16:00		1.891	0.912	0.453	203.517	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/5/07 17:00		1.943	0.964	0.520	233.515	1.377	0.046	0.014020	0.004891	0.172754	77.532

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/5/07	18:00	1.903	0.924	0.468	210.221	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/5/07	19:00	1.938	0.959	0.514	230.523	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/5/07	20:00	1.928	0.949	0.500	224.607	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/5/07	21:00	1.923	0.944	0.494	221.684	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/5/07	22:00	1.932	0.953	0.506	226.963	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/5/07	23:00	1.946	0.967	0.524	235.322	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/6/07	0:00	2.021	1.042	0.631	283.234	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/6/07	1:00	1.962	0.983	0.546	245.098	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/6/07	2:00	1.701	0.722	0.254	114.118	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/6/07	3:00	1.825	0.846	0.376	168.947	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/6/07	4:00	1.761	0.782	0.310	139.042	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/6/07	5:00	1.911	0.932	0.479	214.762	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/6/07	6:00	1.909	0.930	0.476	213.622	1.381	0.05	0.015239	0.005498	0.194209	87.161
10/6/07	7:00	1.913	0.934	0.481	215.907	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/6/07	8:00	1.911	0.932	0.479	214.762	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/6/07	9:00	1.911	0.932	0.479	214.762	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/6/07	10:00	1.93	0.951	0.503	225.783	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/6/07	11:00	1.928	0.949	0.500	224.607	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/6/07	12:00	1.91	0.931	0.477	214.192	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/6/07	13:00	1.904	0.925	0.470	210.785	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/6/07	14:00	1.856	0.877	0.412	184.704	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/6/07	15:00	1.836	0.857	0.389	174.442	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/6/07	16:00	1.808	0.829	0.358	160.662	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/6/07	17:00	1.801	0.822	0.351	157.323	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/6/07	18:00	1.752	0.773	0.301	135.115	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/6/07	19:00	1.819	0.840	0.370	165.995	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/6/07	20:00	1.846	0.867	0.400	179.529	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/6/07	21:00	1.872	0.893	0.430	193.169	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/6/07	22:00	1.864	0.885	0.421	188.908	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/6/07	23:00	1.843	0.864	0.397	177.994	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/7/07	0:00	1.915	0.936	0.484	217.055	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/7/07	1:00	1.962	0.983	0.546	245.098	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/7/07	2:00	1.959	0.980	0.542	243.246	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/7/07	3:00	1.94	0.961	0.516	231.717	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/7/07	4:00	1.952	0.973	0.532	238.960	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/7/07	5:00	2.006	1.027	0.609	273.224	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/7/07	6:00	1.825	0.846	0.376	168.947	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/7/07	7:00	1.531	0.552	0.131	58.802	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/7/07	8:00	1.972	0.993	0.560	251.329	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/7/07	9:00	2.017	1.038	0.625	280.543	1.381	0.05	0.015239	0.005498	0.194209	87.161
10/7/07	10:00	2.008	1.029	0.612	274.546	1.381	0.05	0.015239	0.005498	0.194209	87.161
10/7/07	11:00	2.062	1.083	0.695	311.705	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/7/07	12:00	1.976	0.997	0.566	253.848	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/7/07	13:00	2.002	1.023	0.603	270.591	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/7/07	14:00	1.98	1.001	0.571	256.382	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/7/07	15:00	1.942	0.963	0.519	232.915	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/7/07	16:00	1.903	0.924	0.468	210.221	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/7/07	17:00	1.907	0.928	0.473	212.484	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/7/07	18:00	1.895	0.916	0.458	205.737	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/7/07	19:00	2.016	1.037	0.624	279.873	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/7/07	20:00	2.053	1.074	0.680	305.315	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/7/07	21:00	2.078	1.099	0.720	323.263	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/7/07	22:00	2.118	1.139	0.787	353.268	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/7/07	23:00	2.113	1.134	0.779	349.430	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/8/07	0:00	2.19	1.211	0.917	411.358	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/8/07	1:00	2.206	1.227	0.947	424.993	1.443	0.112	0.034135	0.017500	0.618131	277.418
10/8/07	2:00	2.582	1.603	1.841	826.055	1.451	0.12	0.036574	0.019354	0.683585	306.793
10/8/07	3:00	2.711	1.732	2.232	1001.514	1.614	0.283	0.086254	0.068502	2.419481	1085.863
10/8/07	4:00	2.361	1.382	1.273	571.187	1.723	0.392	0.119475	0.111155	3.925990	1761.985
10/8/07	5:00	2.274	1.295	1.083	485.946	1.558	0.227	0.069186	0.049416	1.745386	783.329
10/8/07	6:00	2.222	1.243	0.978	438.895	1.506	0.175	0.053337	0.033660	1.188871	533.566
10/8/07	7:00	2.17	1.191	0.879	394.689	1.471	0.14	0.042669	0.024250	0.856528	384.410
10/8/07	8:00	2.133	1.154	0.813	364.934	1.442	0.111	0.033831	0.017273	0.610105	273.815
10/8/07	9:00	2.112	1.133	0.777	348.665	1.421	0.09	0.027430	0.012738	0.449907	201.918
10/8/07	10:00	2.095	1.116	0.748	335.820	1.406	0.075	0.022858	0.009792	0.345867	155.225
10/8/07	11:00	2.088	1.109	0.737	330.614	1.399	0.068	0.020725	0.008508	0.300526	134.876

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/8/07	12:00	2.081	1.102	0.725	325.458	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/8/07	13:00	2.072	1.093	0.711	318.899	1.394	0.063	0.019201	0.007629	0.269465	120.936
10/8/07	14:00	2.068	1.089	0.704	316.010	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/8/07	15:00	2.061	1.082	0.693	310.991	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/8/07	16:00	2.059	1.080	0.690	309.566	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/8/07	17:00	2.057	1.078	0.687	308.145	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/8/07	18:00	2.055	1.076	0.683	306.728	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/8/07	19:00	2.054	1.075	0.682	306.021	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/8/07	20:00	2.056	1.077	0.685	307.436	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/8/07	21:00	2.063	1.084	0.696	312.420	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/8/07	22:00	2.065	1.086	0.699	313.853	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/8/07	23:00	2.07	1.091	0.707	317.452	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/9/07	0:00	2.079	1.100	0.722	323.993	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/9/07	1:00	2.093	1.114	0.745	334.328	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/9/07	2:00	2.102	1.123	0.760	341.074	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/9/07	3:00	2.093	1.114	0.745	334.328	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/9/07	4:00	2.107	1.128	0.768	344.857	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/9/07	5:00	2.128	1.149	0.804	361.020	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/9/07	6:00	2.109	1.130	0.772	346.377	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/9/07	7:00	2.112	1.133	0.777	348.665	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/9/07	8:00	2.112	1.133	0.777	348.665	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/9/07	9:00	2.121	1.142	0.792	355.583	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/9/07	10:00	2.152	1.173	0.847	380.039	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/9/07	11:00	2.114	1.135	0.780	350.195	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/9/07	12:00	2.1	1.121	0.757	339.568	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/9/07	13:00	2.091	1.112	0.742	332.839	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/9/07	14:00	2.075	1.096	0.715	321.076	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/9/07	15:00	2.054	1.075	0.682	306.021	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/9/07	16:00	2.054	1.075	0.682	306.021	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/9/07	17:00	2.045	1.066	0.668	299.701	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/9/07	18:00	2.047	1.068	0.671	301.099	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/9/07	19:00	2.042	1.063	0.663	297.612	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/9/07	20:00	2.038	1.059	0.657	294.841	1.371	0.04	0.012191	0.004025	0.142184	63.812

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/9/07	21:00	2.047	1.068	0.671	301.099	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/9/07	22:00	2.054	1.075	0.682	306.021	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/9/07	23:00	2.07	1.091	0.707	317.452	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/10/07	0:00	2.049	1.070	0.674	302.500	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/10/07	1:00	2.034	1.055	0.651	292.084	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/10/07	2:00	2.067	1.088	0.703	315.290	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/10/07	3:00	2.084	1.105	0.730	327.662	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/10/07	4:00	2.084	1.105	0.730	327.662	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/10/07	5:00	2.081	1.102	0.725	325.458	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	6:00	2.058	1.079	0.688	308.855	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/10/07	7:00	2.034	1.055	0.651	292.084	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/10/07	8:00	2.046	1.067	0.669	300.400	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/10/07	9:00	2.075	1.096	0.715	321.076	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/10/07	10:00	2.072	1.093	0.711	318.899	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	11:00	2.074	1.095	0.714	320.350	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/10/07	12:00	2.065	1.086	0.699	313.853	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/10/07	13:00	2.062	1.083	0.695	311.705	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/10/07	14:00	2.03	1.051	0.645	289.344	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	15:00	2.016	1.037	0.624	279.873	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/10/07	16:00	2.016	1.037	0.624	279.873	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	17:00	2.016	1.037	0.624	279.873	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	18:00	2.039	1.060	0.658	295.532	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	19:00	2.023	1.044	0.634	284.585	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	20:00	2.02	1.041	0.630	282.560	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/10/07	21:00	2.044	1.065	0.666	299.004	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/10/07	22:00	2.02	1.041	0.630	282.560	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/10/07	23:00	2.044	1.065	0.666	299.004	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/11/07	0:00	2.02	1.041	0.630	282.560	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/11/07	1:00	1.999	1.020	0.599	268.626	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/11/07	2:00	2.004	1.025	0.606	271.906	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07	3:00	1.978	0.999	0.568	255.114	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/11/07	4:00	2	1.021	0.600	269.280	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/11/07	5:00	1.875	0.896	0.434	194.781	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/11/07 6:00		1.965	0.986	0.550	246.957	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/11/07 7:00		1.981	1.002	0.573	257.018	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 8:00		1.989	1.010	0.584	262.139	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/11/07 9:00		2.055	1.076	0.683	306.728	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/11/07 10:00		2.012	1.033	0.618	277.202	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/11/07 11:00		1.61	0.631	0.182	81.798	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/11/07 12:00		1.595	0.616	0.172	77.080	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/11/07 13:00		1.59	0.611	0.168	75.544	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/11/07 14:00		1.588	0.609	0.167	74.935	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/11/07 15:00		1.623	0.644	0.192	86.024	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 16:00		1.663	0.684	0.222	99.837	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/11/07 17:00		1.595	0.616	0.172	77.080	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 18:00		1.595	0.616	0.172	77.080	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 19:00		1.595	0.616	0.172	77.080	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 20:00		1.595	0.616	0.172	77.080	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 21:00		1.611	0.632	0.183	82.118	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/11/07 22:00		1.611	0.632	0.183	82.118	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/11/07 23:00		1.618	0.639	0.188	84.383	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07 0:00		1.625	0.646	0.193	86.685	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07 1:00		1.644	0.665	0.207	93.122	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07 2:00		1.672	0.693	0.230	103.116	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07 3:00		1.621	0.642	0.190	85.365	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/12/07 4:00		1.623	0.644	0.192	86.024	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/12/07 5:00		1.625	0.646	0.193	86.685	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/12/07 6:00		1.623	0.644	0.192	86.024	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/12/07 7:00		1.623	0.644	0.192	86.024	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07 8:00		1.628	0.649	0.195	87.683	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07 9:00		1.63	0.651	0.197	88.352	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07 10:00		1.63	0.651	0.197	88.352	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07 11:00		1.63	0.651	0.197	88.352	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07 12:00		1.623	0.644	0.192	86.024	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07 13:00		1.623	0.644	0.192	86.024	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07 14:00		1.604	0.625	0.178	79.890	1.367	0.036	0.010972	0.003480	0.122935	55.174

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/12/07	15:00	1.604	0.625	0.178	79.890	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/12/07	16:00	1.607	0.628	0.180	80.841	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/12/07	17:00	1.602	0.623	0.177	79.261	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/12/07	18:00	1.605	0.626	0.179	80.206	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/12/07	19:00	1.602	0.623	0.177	79.261	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07	20:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07	21:00	1.797	0.818	0.346	155.434	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/12/07	22:00	2.218	1.239	0.970	435.394	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/12/07	23:00	2.112	1.133	0.777	348.665	1.563	0.232	0.070710	0.051035	1.802549	808.984
10/13/07	0:00	2.001	1.022	0.601	269.935	1.498	0.167	0.050899	0.031419	1.109743	498.053
10/13/07	1:00	1.898	0.919	0.462	207.412	1.441	0.11	0.033526	0.017047	0.602114	270.229
10/13/07	2:00	1.865	0.886	0.422	189.438	1.413	0.082	0.024992	0.011134	0.393284	176.506
10/13/07	3:00	1.921	0.942	0.491	220.522	1.406	0.075	0.022858	0.009792	0.345867	155.225
10/13/07	4:00	1.954	0.975	0.535	240.180	1.42	0.089	0.027125	0.012533	0.442691	198.680
10/13/07	5:00	1.99	1.011	0.586	262.784	1.427	0.096	0.029259	0.013986	0.494009	221.711
10/13/07	6:00	1.999	1.020	0.599	268.626	1.434	0.103	0.031392	0.015491	0.547171	245.570
10/13/07	7:00	2.001	1.022	0.601	269.935	1.441	0.11	0.033526	0.017047	0.602114	270.229
10/13/07	8:00	1.945	0.966	0.523	234.718	1.438	0.107	0.032612	0.016374	0.578352	259.565
10/13/07	9:00	1.87	0.891	0.428	192.098	1.422	0.091	0.027735	0.012943	0.457161	205.174
10/13/07	10:00	1.825	0.846	0.376	168.947	1.407	0.076	0.023163	0.009980	0.352516	158.209
10/13/07	11:00	1.802	0.823	0.352	157.797	1.4	0.069	0.021030	0.008688	0.306872	137.724
10/13/07	12:00	1.785	0.806	0.334	149.848	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/13/07	13:00	1.771	0.792	0.320	143.486	1.391	0.06	0.018287	0.007117	0.251378	112.818
10/13/07	14:00	1.757	0.778	0.306	137.288	1.391	0.06	0.018287	0.007117	0.251378	112.818
10/13/07	15:00	1.741	0.762	0.291	130.405	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/13/07	16:00	1.734	0.755	0.284	127.461	1.388	0.057	0.017372	0.006617	0.233714	104.891
10/13/07	17:00	1.727	0.748	0.278	124.557	1.388	0.057	0.017372	0.006617	0.233714	104.891
10/13/07	18:00	1.717	0.738	0.268	120.477	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/13/07	19:00	1.724	0.745	0.275	123.324	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/13/07	20:00	1.724	0.745	0.275	123.324	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/13/07	21:00	1.729	0.750	0.279	125.382	1.388	0.057	0.017372	0.006617	0.233714	104.891
10/13/07	22:00	1.715	0.736	0.267	119.671	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/13/07	23:00	1.705	0.726	0.258	115.689	1.383	0.052	0.015848	0.005811	0.205247	92.115

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/14/07	0:00	1.696	0.717	0.250	112.173	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/14/07	1:00	1.703	0.724	0.256	114.902	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/14/07	2:00	1.705	0.726	0.258	115.689	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/14/07	3:00	1.708	0.729	0.260	116.875	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/14/07	4:00	1.839	0.860	0.392	175.959	1.382	0.051	0.015544	0.005654	0.199702	89.627
10/14/07	5:00	1.98	1.001	0.571	256.382	1.403	0.072	0.021944	0.009234	0.326175	146.388
10/14/07	6:00	1.926	0.947	0.498	223.435	1.429	0.098	0.029868	0.014411	0.509013	228.445
10/14/07	7:00	1.896	0.917	0.460	206.295	1.417	0.086	0.026211	0.011927	0.421278	189.070
10/14/07	8:00	1.936	0.957	0.511	229.332	1.413	0.082	0.024992	0.011134	0.393284	176.506
10/14/07	9:00	1.926	0.947	0.498	223.435	1.417	0.086	0.026211	0.011927	0.421278	189.070
10/14/07	10:00	1.889	0.910	0.451	202.413	1.415	0.084	0.025601	0.011528	0.407201	182.752
10/14/07	11:00	1.846	0.867	0.400	179.529	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/14/07	12:00	1.839	0.860	0.392	175.959	1.401	0.07	0.021334	0.008869	0.313263	140.593
10/14/07	13:00	1.797	0.818	0.346	155.434	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/14/07	14:00	1.809	0.830	0.359	161.143	1.394	0.063	0.019201	0.007629	0.269465	120.936
10/14/07	15:00	1.884	0.905	0.445	199.667	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/14/07	16:00	1.964	0.985	0.549	246.336	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/14/07	17:00	2.091	1.112	0.742	332.839	1.422	0.091	0.027735	0.012943	0.457161	205.174
10/14/07	18:00	2.152	1.173	0.847	380.039	1.486	0.155	0.047241	0.028157	0.994512	446.337
10/14/07	19:00	2.128	1.149	0.804	361.020	1.526	0.195	0.059433	0.039481	1.394470	625.838
10/14/07	20:00	2.131	1.152	0.810	363.365	1.507	0.176	0.053642	0.033943	1.198889	538.062
10/14/07	21:00	2.175	1.196	0.889	398.818	1.505	0.174	0.053032	0.033377	1.178881	529.082
10/14/07	22:00	2.476	1.497	1.553	696.785	1.521	0.19	0.057909	0.037997	1.342050	602.312
10/14/07	23:00	2.459	1.480	1.509	677.271	1.651	0.32	0.097531	0.082206	2.903508	1303.095
10/15/07	0:00	2.239	1.260	1.011	453.961	1.646	0.315	0.096007	0.080305	2.836392	1272.973
10/15/07	1:00	2.154	1.175	0.850	381.650	1.571	0.24	0.073148	0.053660	1.895280	850.602
10/15/07	2:00	2.112	1.133	0.777	348.665	1.521	0.19	0.057909	0.037997	1.342050	602.312
10/15/07	3:00	2.076	1.097	0.717	321.804	1.505	0.174	0.053032	0.033377	1.178881	529.082
10/15/07	4:00	2.029	1.050	0.643	288.661	1.49	0.159	0.048460	0.029231	1.032453	463.365
10/15/07	5:00	1.987	1.008	0.581	260.853	1.464	0.133	0.040536	0.022495	0.794526	356.583
10/15/07	6:00	1.975	0.996	0.564	253.217	1.443	0.112	0.034135	0.017500	0.618131	277.418
10/15/07	7:00	1.961	0.982	0.545	244.480	1.434	0.103	0.031392	0.015491	0.547171	245.570
10/15/07	8:00	1.938	0.959	0.514	230.523	1.429	0.098	0.029868	0.014411	0.509013	228.445

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/15/07	9:00	1.914	0.935	0.482	216.481	1.422	0.091	0.027735	0.012943	0.457161	205.174
10/15/07	10:00	1.896	0.917	0.460	206.295	1.415	0.084	0.025601	0.011528	0.407201	182.752
10/15/07	11:00	1.872	0.893	0.430	193.169	1.41	0.079	0.024078	0.010552	0.372714	167.274
10/15/07	12:00	1.865	0.886	0.422	189.438	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/15/07	13:00	1.825	0.846	0.376	168.947	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/15/07	14:00	1.811	0.832	0.361	162.106	1.404	0.073	0.022249	0.009419	0.332696	149.314
10/15/07	15:00	1.799	0.820	0.348	156.377	1.402	0.071	0.021639	0.009051	0.319697	143.480
10/15/07	16:00	1.795	0.816	0.344	154.494	1.402	0.071	0.021639	0.009051	0.319697	143.480
10/15/07	17:00	1.788	0.809	0.337	151.233	1.4	0.069	0.021030	0.008688	0.306872	137.724
10/15/07	18:00	1.781	0.802	0.330	148.013	1.4	0.069	0.021030	0.008688	0.306872	137.724
10/15/07	19:00	1.776	0.797	0.325	145.739	1.397	0.066	0.020115	0.008153	0.287966	129.239
10/15/07	20:00	1.764	0.785	0.313	140.366	1.397	0.066	0.020115	0.008153	0.287966	129.239
10/15/07	21:00	1.762	0.783	0.311	139.483	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/15/07	22:00	1.755	0.776	0.304	136.416	1.394	0.063	0.019201	0.007629	0.269465	120.936
10/15/07	23:00	1.795	0.816	0.344	154.494	1.394	0.063	0.019201	0.007629	0.269465	120.936
10/16/07	0:00	1.832	0.853	0.384	172.432	1.401	0.07	0.021334	0.008869	0.313263	140.593
10/16/07	1:00	1.827	0.848	0.379	169.939	1.41	0.079	0.024078	0.010552	0.372714	167.274
10/16/07	2:00	1.804	0.825	0.354	158.749	1.405	0.074	0.022554	0.009605	0.339260	152.260
10/16/07	3:00	1.788	0.809	0.337	151.233	1.4	0.069	0.021030	0.008688	0.306872	137.724
10/16/07	4:00	1.781	0.802	0.330	148.013	1.397	0.066	0.020115	0.008153	0.287966	129.239
10/16/07	5:00	1.769	0.790	0.318	142.590	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/16/07	6:00	1.767	0.788	0.316	141.698	1.394	0.063	0.019201	0.007629	0.269465	120.936
10/16/07	7:00	1.757	0.778	0.306	137.288	1.392	0.061	0.018591	0.007286	0.257360	115.503
10/16/07	8:00	1.75	0.771	0.299	134.251	1.392	0.061	0.018591	0.007286	0.257360	115.503
10/16/07	9:00	1.745	0.766	0.294	132.106	1.392	0.061	0.018591	0.007286	0.257360	115.503
10/16/07	10:00	1.741	0.762	0.291	130.405	1.392	0.061	0.018591	0.007286	0.257360	115.503
10/16/07	11:00	1.736	0.757	0.286	128.298	1.389	0.058	0.017677	0.006782	0.239554	107.512
10/16/07	12:00	1.738	0.759	0.288	129.139	1.389	0.058	0.017677	0.006782	0.239554	107.512
10/16/07	13:00	1.734	0.755	0.284	127.461	1.39	0.059	0.017982	0.006949	0.245442	110.155
10/16/07	14:00	1.722	0.743	0.273	122.507	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/16/07	15:00	1.717	0.738	0.268	120.477	1.386	0.055	0.016763	0.006290	0.222180	99.714
10/16/07	16:00	1.719	0.740	0.270	121.286	1.386	0.055	0.016763	0.006290	0.222180	99.714
10/16/07	17:00	1.71	0.731	0.262	117.670	1.387	0.056	0.017067	0.006453	0.227923	102.292

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/16/07	18:00	1.703	0.724	0.256	114.902	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/16/07	19:00	1.701	0.722	0.254	114.118	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/16/07	20:00	1.701	0.722	0.254	114.118	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/16/07	21:00	1.701	0.722	0.254	114.118	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/16/07	22:00	1.701	0.722	0.254	114.118	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/16/07	23:00	1.708	0.729	0.260	116.875	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/17/07	0:00	1.701	0.722	0.254	114.118	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/17/07	1:00	1.701	0.722	0.254	114.118	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/17/07	2:00	1.703	0.724	0.256	114.902	1.386	0.055	0.016763	0.006290	0.222180	99.714
10/17/07	3:00	1.705	0.726	0.258	115.689	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/17/07	4:00	1.703	0.724	0.256	114.902	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/17/07	5:00	1.701	0.722	0.254	114.118	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/17/07	6:00	1.696	0.717	0.250	112.173	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/17/07	7:00	1.712	0.733	0.264	118.468	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/17/07	8:00	1.705	0.726	0.258	115.689	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/17/07	9:00	1.708	0.729	0.260	116.875	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/17/07	10:00	1.872	0.893	0.430	193.169	1.385	0.054	0.016458	0.006129	0.216486	97.159
10/17/07	11:00	2.074	1.095	0.714	320.350	1.411	0.08	0.024382	0.010745	0.379530	170.333
10/17/07	12:00	2.018	1.039	0.627	281.215	1.501	0.17	0.051813	0.032253	1.139203	511.274
10/17/07	13:00	1.966	0.987	0.552	247.579	1.471	0.14	0.042669	0.024250	0.856528	384.410
10/17/07	14:00	1.952	0.973	0.532	238.960	1.436	0.105	0.032002	0.015931	0.562690	252.535
10/17/07	15:00	2.081	1.102	0.725	325.458	1.437	0.106	0.032307	0.016152	0.570503	256.042
10/17/07	16:00	2.175	1.196	0.889	398.818	1.505	0.174	0.053032	0.033377	1.178881	529.082
10/17/07	17:00	2.084	1.105	0.730	327.662	1.538	0.207	0.063090	0.043119	1.522979	683.513
10/17/07	18:00	2.013	1.034	0.619	277.868	1.496	0.165	0.050289	0.030867	1.090246	489.303
10/17/07	19:00	1.99	1.011	0.586	262.784	1.463	0.132	0.040231	0.022248	0.785796	352.665
10/17/07	20:00	1.954	0.975	0.535	240.180	1.442	0.111	0.033831	0.017273	0.610105	273.815
10/17/07	21:00	1.921	0.942	0.491	220.522	1.427	0.096	0.029259	0.013986	0.494009	221.711
10/17/07	22:00	1.893	0.914	0.456	204.626	1.418	0.087	0.026516	0.012128	0.428376	192.256
10/17/07	23:00	1.867	0.888	0.424	190.499	1.413	0.082	0.024992	0.011134	0.393284	176.506
10/18/07	0:00	1.839	0.860	0.392	175.959	1.408	0.077	0.023468	0.010170	0.359207	161.212
10/18/07	1:00	1.825	0.846	0.376	168.947	1.406	0.075	0.022858	0.009792	0.345867	155.225
10/18/07	2:00	1.809	0.830	0.359	161.143	1.403	0.072	0.021944	0.009234	0.326175	146.388

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/18/07	3:00	1.809	0.830	0.359	161.143	1.403	0.072	0.021944	0.009234	0.326175	146.388
10/18/07	4:00	1.802	0.823	0.352	157.797	1.401	0.07	0.021334	0.008869	0.313263	140.593
10/18/07	5:00	1.792	0.813	0.341	153.091	1.401	0.07	0.021334	0.008869	0.313263	140.593
10/18/07	6:00	1.787	0.808	0.336	150.770	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/18/07	7:00	1.78	0.801	0.329	147.557	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/18/07	8:00	1.776	0.797	0.325	145.739	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/18/07	9:00	1.776	0.797	0.325	145.739	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/18/07	10:00	1.78	0.801	0.329	147.557	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/18/07	11:00	1.783	0.804	0.332	148.929	1.395	0.064	0.019506	0.007802	0.275586	123.683
10/18/07	12:00	1.773	0.794	0.322	144.384	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/18/07	13:00	1.783	0.804	0.332	148.929	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/18/07	14:00	1.776	0.797	0.325	145.739	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/18/07	15:00	1.792	0.813	0.341	153.091	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/18/07	16:00	1.785	0.806	0.334	149.848	1.398	0.067	0.020420	0.008330	0.294223	132.048
10/18/07	17:00	1.78	0.801	0.329	147.557	1.396	0.065	0.019811	0.007977	0.281753	126.451
10/18/07	18:00	1.766	0.787	0.315	141.253	1.393	0.062	0.018896	0.007457	0.263389	118.209
10/18/07	19:00	1.762	0.783	0.311	139.483	1.391	0.06	0.018287	0.007117	0.251378	112.818
10/18/07	20:00	1.755	0.776	0.304	136.416	1.39	0.059	0.017982	0.006949	0.245442	110.155
10/18/07	21:00	1.759	0.780	0.308	138.164	1.39	0.059	0.017982	0.006949	0.245442	110.155
10/18/07	22:00	1.771	0.792	0.320	143.486	1.392	0.061	0.018591	0.007286	0.257360	115.503
10/18/07	23:00	1.748	0.769	0.297	133.391	1.388	0.057	0.017372	0.006617	0.233714	104.891
10/19/07	0:00	1.738	0.759	0.288	129.139	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/19/07	1:00	1.724	0.745	0.275	123.324	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/19/07	2:00	1.724	0.745	0.275	123.324	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/19/07	3:00	1.72	0.741	0.271	121.692	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/19/07	4:00	1.708	0.729	0.260	116.875	1.387	0.056	0.017067	0.006453	0.227923	102.292
10/19/07	5:00	1.715	0.736	0.267	119.671	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/19/07	6:00	1.708	0.729	0.260	116.875	1.384	0.053	0.016153	0.005969	0.210841	94.626
10/19/07	7:00	1.711	0.732	0.263	118.068	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/19/07	8:00	1.704	0.725	0.257	115.295	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/19/07	9:00	1.706	0.727	0.259	116.083	1.383	0.052	0.015848	0.005811	0.205247	92.115
10/19/07	10:00	1.702	0.723	0.255	114.510	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/19/07	11:00	1.701	0.722	0.254	114.118	1.383	0.052	0.015848	0.005811	0.205247	92.115

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/19/07	12:00	1.699	0.720	0.253	113.338	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/19/07	13:00	1.668	0.689	0.226	101.651	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/19/07	14:00	1.675	0.696	0.232	104.223	1.38	0.049	0.014934	0.005344	0.188767	84.719
10/19/07	15:00	1.682	0.703	0.238	106.834	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/19/07	16:00	1.668	0.689	0.226	101.651	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/19/07	17:00	1.684	0.705	0.240	107.588	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/19/07	18:00	1.682	0.703	0.238	106.834	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/19/07	19:00	1.679	0.700	0.236	105.711	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/19/07	20:00	1.672	0.693	0.230	103.116	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/19/07	21:00	1.656	0.677	0.217	97.330	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/19/07	22:00	1.658	0.679	0.218	98.042	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/19/07	23:00	1.665	0.686	0.224	100.560	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/20/07	0:00	1.67	0.691	0.228	102.382	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	1:00	1.668	0.689	0.226	101.651	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/20/07	2:00	1.668	0.689	0.226	101.651	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/20/07	3:00	1.673	0.694	0.231	103.484	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/20/07	4:00	1.675	0.696	0.232	104.223	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	5:00	1.673	0.694	0.231	103.484	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	6:00	1.671	0.692	0.229	102.749	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/20/07	7:00	1.673	0.694	0.231	103.484	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	8:00	1.673	0.694	0.231	103.484	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	9:00	1.671	0.692	0.229	102.749	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/20/07	10:00	1.675	0.696	0.232	104.223	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/20/07	11:00	1.67	0.691	0.228	102.382	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	12:00	1.663	0.684	0.222	99.837	1.379	0.048	0.014629	0.005191	0.183377	82.300
10/20/07	13:00	1.649	0.670	0.211	94.862	1.378	0.047	0.014324	0.005040	0.178039	79.904
10/20/07	14:00	1.635	0.656	0.201	90.038	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/20/07	15:00	1.621	0.642	0.190	85.365	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/20/07	16:00	1.617	0.638	0.187	84.057	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/20/07	17:00	1.614	0.635	0.185	83.085	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/20/07	18:00	1.612	0.633	0.184	82.440	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/20/07	19:00	1.607	0.628	0.180	80.841	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/20/07	20:00	1.616	0.637	0.187	83.732	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/20/07	21:00	1.626	0.647	0.194	87.017	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/20/07	22:00	1.64	0.661	0.204	91.744	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/20/07	23:00	1.637	0.658	0.202	90.718	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/21/07	0:00	1.647	0.668	0.210	94.163	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/21/07	1:00	1.649	0.670	0.211	94.862	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/21/07	2:00	1.651	0.672	0.213	95.563	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/21/07	3:00	1.646	0.667	0.209	93.815	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/21/07	4:00	1.644	0.665	0.207	93.122	1.377	0.046	0.014020	0.004891	0.172754	77.532
10/21/07	5:00	1.654	0.675	0.215	96.621	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/21/07	6:00	1.654	0.675	0.215	96.621	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/21/07	7:00	1.654	0.675	0.215	96.621	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/21/07	8:00	1.651	0.672	0.213	95.563	1.374	0.043	0.013105	0.004451	0.157221	70.561
10/21/07	9:00	1.642	0.663	0.206	92.431	1.376	0.045	0.013715	0.004743	0.167522	75.184
10/21/07	10:00	1.635	0.656	0.201	90.038	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/21/07	11:00	1.647	0.668	0.210	94.163	1.375	0.044	0.013410	0.004596	0.162345	72.860
10/21/07	12:00	1.637	0.658	0.202	90.718	1.373	0.042	0.012800	0.004307	0.152153	68.287
10/21/07	13:00	1.623	0.644	0.192	86.024	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/21/07	14:00	1.604	0.625	0.178	79.890	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/21/07	15:00	1.604	0.625	0.178	79.890	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/21/07	16:00	1.607	0.628	0.180	80.841	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/21/07	17:00	1.602	0.623	0.177	79.261	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/21/07	18:00	1.604	0.625	0.178	79.890	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/21/07	19:00	1.609	0.630	0.182	81.478	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/21/07	20:00	1.614	0.635	0.185	83.085	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/21/07	21:00	1.621	0.642	0.190	85.365	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/21/07	22:00	1.616	0.637	0.187	83.732	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/21/07	23:00	1.619	0.640	0.189	84.710	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/22/07	0:00	1.621	0.642	0.190	85.365	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	1:00	1.621	0.642	0.190	85.365	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/22/07	2:00	1.628	0.649	0.195	87.683	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/22/07	3:00	1.621	0.642	0.190	85.365	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/22/07	4:00	1.628	0.649	0.195	87.683	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/22/07	5:00	1.635	0.656	0.201	90.038	1.372	0.041	0.012496	0.004165	0.147140	66.037

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/22/07	6:00	1.631	0.652	0.198	88.688	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/22/07	7:00	1.629	0.650	0.196	88.017	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/22/07	8:00	1.629	0.650	0.196	88.017	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	9:00	1.629	0.650	0.196	88.017	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	10:00	1.631	0.652	0.198	88.688	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	11:00	1.631	0.652	0.198	88.688	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	12:00	1.636	0.657	0.201	90.378	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	13:00	1.63	0.651	0.197	88.352	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	14:00	1.614	0.635	0.185	83.085	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/22/07	15:00	1.607	0.628	0.180	80.841	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/22/07	16:00	1.597	0.618	0.173	77.699	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/22/07	17:00	1.597	0.618	0.173	77.699	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/22/07	18:00	1.597	0.618	0.173	77.699	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/22/07	19:00	1.602	0.623	0.177	79.261	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/22/07	20:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/22/07	21:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/22/07	22:00	1.616	0.637	0.187	83.732	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/22/07	23:00	1.607	0.628	0.180	80.841	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	0:00	1.621	0.642	0.190	85.365	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	1:00	1.624	0.645	0.192	86.354	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/23/07	2:00	1.624	0.645	0.192	86.354	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/23/07	3:00	1.622	0.643	0.191	85.694	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/23/07	4:00	1.627	0.648	0.195	87.350	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/23/07	5:00	1.627	0.648	0.195	87.350	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	6:00	1.625	0.646	0.193	86.685	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	7:00	1.623	0.644	0.192	86.024	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	8:00	1.628	0.649	0.195	87.683	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	9:00	1.626	0.647	0.194	87.017	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/23/07	10:00	1.635	0.656	0.201	90.038	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/23/07	11:00	1.639	0.660	0.204	91.401	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/23/07	12:00	1.641	0.662	0.205	92.087	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	13:00	1.628	0.649	0.195	87.683	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	14:00	1.619	0.640	0.189	84.710	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/23/07	15:00	1.607	0.628	0.180	80.841	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/23/07	16:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/23/07	17:00	1.602	0.623	0.177	79.261	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/23/07	18:00	1.604	0.625	0.178	79.890	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/23/07	19:00	1.609	0.630	0.182	81.478	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/23/07	20:00	1.614	0.635	0.185	83.085	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/23/07	21:00	1.604	0.625	0.178	79.890	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/23/07	22:00	1.611	0.632	0.183	82.118	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/23/07	23:00	1.611	0.632	0.183	82.118	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/24/07	0:00	1.609	0.630	0.182	81.478	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/24/07	1:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	2:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	3:00	1.607	0.628	0.180	80.841	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/24/07	4:00	1.61	0.631	0.182	81.798	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/24/07	5:00	1.612	0.633	0.184	82.440	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/24/07	6:00	1.612	0.633	0.184	82.440	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/24/07	7:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	8:00	1.613	0.634	0.184	82.762	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	9:00	1.613	0.634	0.184	82.762	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	10:00	1.618	0.639	0.188	84.383	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/24/07	11:00	1.613	0.634	0.184	82.762	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	12:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	13:00	1.609	0.630	0.182	81.478	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/24/07	14:00	1.597	0.618	0.173	77.699	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/24/07	15:00	1.59	0.611	0.168	75.544	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/24/07	16:00	1.588	0.609	0.167	74.935	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	17:00	1.59	0.611	0.168	75.544	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	18:00	1.585	0.606	0.165	74.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	19:00	1.59	0.611	0.168	75.544	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	20:00	1.593	0.614	0.170	76.463	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	21:00	1.6	0.621	0.175	78.634	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/24/07	22:00	1.602	0.623	0.177	79.261	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/24/07	23:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/25/07	0:00	1.605	0.626	0.179	80.206	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/25/07	1:00	1.61	0.631	0.182	81.798	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/25/07	2:00	1.61	0.631	0.182	81.798	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/25/07	3:00	1.612	0.633	0.184	82.440	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/25/07	4:00	1.62	0.641	0.189	85.037	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/25/07	5:00	1.611	0.632	0.183	82.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/25/07	6:00	1.62	0.641	0.189	85.037	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/25/07	7:00	1.613	0.634	0.184	82.762	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/25/07	8:00	1.614	0.635	0.185	83.085	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/25/07	9:00	1.623	0.644	0.192	86.024	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/25/07	10:00	1.612	0.633	0.184	82.440	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/25/07	11:00	1.614	0.635	0.185	83.085	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/25/07	12:00	1.613	0.634	0.184	82.762	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/25/07	13:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/25/07	14:00	1.607	0.628	0.180	80.841	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/25/07	15:00	1.597	0.618	0.173	77.699	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/25/07	16:00	1.599	0.620	0.175	78.322	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/25/07	17:00	1.592	0.613	0.170	76.156	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/25/07	18:00	1.592	0.613	0.170	76.156	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/25/07	19:00	1.595	0.616	0.172	77.080	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/25/07	20:00	1.595	0.616	0.172	77.080	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/25/07	21:00	1.6	0.621	0.175	78.634	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/25/07	22:00	1.604	0.625	0.178	79.890	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/25/07	23:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/26/07	0:00	1.607	0.628	0.180	80.841	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	1:00	1.607	0.628	0.180	80.841	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	2:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/26/07	3:00	1.613	0.634	0.184	82.762	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/26/07	4:00	1.615	0.636	0.186	83.408	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/26/07	5:00	1.618	0.639	0.188	84.383	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/26/07	6:00	1.618	0.639	0.188	84.383	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/26/07	7:00	1.618	0.639	0.188	84.383	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	8:00	1.62	0.641	0.189	85.037	1.367	0.036	0.010972	0.003480	0.122935	55.174

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/26/07	9:00	1.618	0.639	0.188	84.383	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	10:00	1.618	0.639	0.188	84.383	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	11:00	1.625	0.646	0.193	86.685	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	12:00	1.622	0.643	0.191	85.694	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	13:00	1.619	0.640	0.189	84.710	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/26/07	14:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/26/07	15:00	1.612	0.633	0.184	82.440	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/26/07	16:00	1.612	0.633	0.184	82.440	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/26/07	17:00	1.611	0.632	0.183	82.118	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	18:00	1.609	0.630	0.182	81.478	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	19:00	1.607	0.628	0.180	80.841	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	20:00	1.604	0.625	0.178	79.890	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	21:00	1.614	0.635	0.185	83.085	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	22:00	1.612	0.633	0.184	82.440	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/26/07	23:00	1.609	0.630	0.182	81.478	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/27/07	0:00	1.612	0.633	0.184	82.440	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/27/07	1:00	1.612	0.633	0.184	82.440	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/27/07	2:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	3:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	4:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	5:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	6:00	1.61	0.631	0.182	81.798	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	7:00	1.608	0.629	0.181	81.159	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	8:00	1.611	0.632	0.183	82.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/27/07	9:00	1.611	0.632	0.183	82.118	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	10:00	1.609	0.630	0.182	81.478	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	11:00	1.611	0.632	0.183	82.118	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/27/07	12:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	13:00	1.603	0.624	0.177	79.575	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/27/07	14:00	1.6	0.621	0.175	78.634	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/27/07	15:00	1.593	0.614	0.170	76.463	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/27/07	16:00	1.59	0.611	0.168	75.544	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	17:00	1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/27/07	18:00	1.59	0.611	0.168	75.544	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	19:00	1.595	0.616	0.172	77.080	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/27/07	20:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	21:00	1.586	0.607	0.166	74.329	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/27/07	22:00	1.591	0.612	0.169	75.850	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/27/07	23:00	1.593	0.614	0.170	76.463	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	0:00	1.596	0.617	0.172	77.389	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	1:00	1.594	0.615	0.171	76.771	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	2:00	1.596	0.617	0.172	77.389	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/28/07	3:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/28/07	4:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/28/07	5:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/28/07	6:00	1.602	0.623	0.177	79.261	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/28/07	7:00	1.598	0.619	0.174	78.010	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	8:00	1.601	0.622	0.176	78.947	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	9:00	1.601	0.622	0.176	78.947	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/28/07	10:00	1.601	0.622	0.176	78.947	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/28/07	11:00	1.596	0.617	0.172	77.389	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/28/07	12:00	1.599	0.620	0.175	78.322	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/28/07	13:00	1.577	0.598	0.160	71.638	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/28/07	14:00	1.598	0.619	0.174	78.010	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/28/07	15:00	1.598	0.619	0.174	78.010	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/28/07	16:00	1.597	0.618	0.173	77.699	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	17:00	1.586	0.607	0.166	74.329	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/28/07	18:00	1.583	0.604	0.164	73.426	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	19:00	1.588	0.609	0.167	74.935	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	20:00	1.591	0.612	0.169	75.850	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	21:00	1.593	0.614	0.170	76.463	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	22:00	1.598	0.619	0.174	78.010	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/28/07	23:00	1.598	0.619	0.174	78.010	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/29/07	0:00	1.601	0.622	0.176	78.947	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/29/07	1:00	1.603	0.624	0.177	79.575	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/29/07	2:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/29/07 3:00		1.604	0.625	0.178	79.890	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/29/07 4:00		1.604	0.625	0.178	79.890	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/29/07 5:00		1.606	0.627	0.179	80.523	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/29/07 6:00		1.607	0.628	0.180	80.841	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 7:00		1.609	0.630	0.182	81.478	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 8:00		1.609	0.630	0.182	81.478	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/29/07 9:00		1.623	0.644	0.192	86.024	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 10:00		1.616	0.637	0.187	83.732	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 11:00		1.616	0.637	0.187	83.732	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 12:00		1.612	0.633	0.184	82.440	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/29/07 13:00		1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/29/07 14:00		1.595	0.616	0.172	77.080	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/29/07 15:00		1.597	0.618	0.173	77.699	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 16:00		1.597	0.618	0.173	77.699	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/29/07 17:00		1.611	0.632	0.183	82.118	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/29/07 18:00		1.616	0.637	0.187	83.732	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/29/07 19:00		1.611	0.632	0.183	82.118	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/29/07 20:00		1.614	0.635	0.185	83.085	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/29/07 21:00		1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/29/07 22:00		1.618	0.639	0.188	84.383	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/29/07 23:00		1.621	0.642	0.190	85.365	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/30/07 0:00		1.63	0.651	0.197	88.352	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/30/07 1:00		1.628	0.649	0.195	87.683	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/30/07 2:00		1.633	0.654	0.199	89.362	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/30/07 3:00		1.64	0.661	0.204	91.744	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07 4:00		1.638	0.659	0.203	91.059	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07 5:00		1.635	0.656	0.201	90.038	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07 6:00		1.636	0.657	0.201	90.378	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/30/07 7:00		1.643	0.664	0.207	92.776	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/30/07 8:00		1.643	0.664	0.207	92.776	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07 9:00		1.645	0.666	0.208	93.468	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/30/07 10:00		1.645	0.666	0.208	93.468	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/30/07 11:00		1.65	0.671	0.212	95.212	1.373	0.042	0.012800	0.004307	0.152153	68.287

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/30/07	12:00	1.644	0.665	0.207	93.122	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07	13:00	1.628	0.649	0.195	87.683	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/30/07	14:00	1.63	0.651	0.197	88.352	1.372	0.041	0.012496	0.004165	0.147140	66.037
10/30/07	15:00	1.63	0.651	0.197	88.352	1.37	0.039	0.011886	0.003886	0.137285	61.614
10/30/07	16:00	1.635	0.656	0.201	90.038	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07	17:00	1.616	0.637	0.187	83.732	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07	18:00	1.614	0.635	0.185	83.085	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07	19:00	1.616	0.637	0.187	83.732	1.367	0.036	0.010972	0.003480	0.122935	55.174
10/30/07	20:00	1.637	0.658	0.202	90.718	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07	21:00	1.623	0.644	0.192	86.024	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/30/07	22:00	1.618	0.639	0.188	84.383	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/30/07	23:00	1.639	0.660	0.204	91.401	1.369	0.038	0.011581	0.003749	0.132443	59.441
10/31/07	0:00	1.64	0.661	0.204	91.744	1.371	0.04	0.012191	0.004025	0.142184	63.812
10/31/07	1:00	1.635	0.656	0.201	90.038	1.368	0.037	0.011277	0.003614	0.127660	57.294
10/31/07	2:00	1.633	0.654	0.199	89.362	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/31/07	3:00	1.633	0.654	0.199	89.362	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/31/07	4:00	1.635	0.656	0.201	90.038	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/31/07	5:00	1.631	0.652	0.198	88.688	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/31/07	6:00	1.635	0.656	0.201	90.038	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/31/07	7:00	1.629	0.650	0.196	88.017	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/31/07	8:00	1.629	0.650	0.196	88.017	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/31/07	9:00	1.629	0.650	0.196	88.017	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/31/07	10:00	1.615	0.636	0.186	83.408	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/31/07	11:00	1.631	0.652	0.198	88.688	1.366	0.035	0.010667	0.003348	0.118271	53.080
10/31/07	12:00	1.626	0.647	0.194	87.017	1.361	0.03	0.009143	0.002714	0.095872	43.028
10/31/07	13:00	1.61	0.631	0.182	81.798	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/31/07	14:00	1.619	0.640	0.189	84.710	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/31/07	15:00	1.602	0.623	0.177	79.261	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/31/07	16:00	1.611	0.632	0.183	82.118	1.365	0.034	0.010362	0.003218	0.113667	51.014
10/31/07	17:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/31/07	18:00	1.602	0.623	0.177	79.261	1.363	0.032	0.009753	0.002962	0.104643	46.964
10/31/07	19:00	1.609	0.630	0.182	81.478	1.36	0.029	0.008838	0.002593	0.091584	41.103
10/31/07	20:00	1.612	0.633	0.184	82.440	1.362	0.031	0.009448	0.002837	0.100226	44.982

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
10/31/07	21:00	1.615	0.636	0.186	83.408	1.362	0.031	0.009448	0.002837	0.100226	44.982
10/31/07	22:00	1.612	0.633	0.184	82.440	1.364	0.033	0.010057	0.003089	0.109124	48.975
10/31/07	23:00	1.622	0.643	0.191	85.694	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/1/07	0:00	1.622	0.643	0.191	85.694	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/1/07	1:00	1.651	0.672	0.213	95.563	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/1/07	2:00	1.625	0.646	0.193	86.685	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/1/07	3:00	1.612	0.633	0.184	82.440	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/1/07	4:00	1.614	0.635	0.185	83.085	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/1/07	5:00	1.61	0.631	0.182	81.798	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	6:00	1.615	0.636	0.186	83.408	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	7:00	1.615	0.636	0.186	83.408	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	8:00	1.62	0.641	0.189	85.037	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	9:00	1.618	0.639	0.188	84.383	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	10:00	1.613	0.634	0.184	82.762	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	11:00	1.632	0.653	0.198	89.024	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	12:00	1.64	0.661	0.204	91.744	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/1/07	13:00	1.644	0.665	0.207	93.122	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/1/07	14:00	1.615	0.636	0.186	83.408	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/1/07	15:00	1.612	0.633	0.184	82.440	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/1/07	16:00	1.605	0.626	0.179	80.206	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/1/07	17:00	1.581	0.602	0.162	72.827	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/1/07	18:00	1.579	0.600	0.161	72.231	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/1/07	19:00	1.581	0.602	0.162	72.827	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	20:00	1.582	0.603	0.163	73.126	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/1/07	21:00	1.582	0.603	0.163	73.126	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/1/07	22:00	1.591	0.612	0.169	75.850	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/1/07	23:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/2/07	0:00	1.587	0.608	0.166	74.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/2/07	1:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/2/07	2:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/2/07	3:00	1.59	0.611	0.168	75.544	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/2/07	4:00	1.591	0.612	0.169	75.850	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/2/07	5:00	1.591	0.612	0.169	75.850	1.364	0.033	0.010057	0.003089	0.109124	48.975

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/2/07	6:00	1.596	0.617	0.172	77.389	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/2/07	7:00	1.594	0.615	0.171	76.771	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/2/07	8:00	1.592	0.613	0.170	76.156	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/2/07	9:00	1.592	0.613	0.170	76.156	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/2/07	10:00	1.592	0.613	0.170	76.156	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/2/07	11:00	1.593	0.614	0.170	76.463	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/2/07	12:00	1.581	0.602	0.162	72.827	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/2/07	13:00	1.59	0.611	0.168	75.544	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/2/07	14:00	1.57	0.591	0.155	69.587	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/2/07	15:00	1.57	0.591	0.155	69.587	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	16:00	1.579	0.600	0.161	72.231	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	17:00	1.562	0.583	0.150	67.285	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	18:00	1.569	0.590	0.154	69.296	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	19:00	1.57	0.591	0.155	69.587	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	20:00	1.572	0.593	0.156	70.169	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	21:00	1.57	0.591	0.155	69.587	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	22:00	1.575	0.596	0.158	71.049	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/2/07	23:00	1.58	0.601	0.162	72.529	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/3/07	0:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/3/07	1:00	1.576	0.597	0.159	71.343	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/3/07	2:00	1.581	0.602	0.162	72.827	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/3/07	3:00	1.584	0.605	0.164	73.726	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/3/07	4:00	1.586	0.607	0.166	74.329	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/3/07	5:00	1.58	0.601	0.162	72.529	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/3/07	6:00	1.578	0.599	0.160	71.935	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/3/07	7:00	1.578	0.599	0.160	71.935	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/3/07	8:00	1.581	0.602	0.162	72.827	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/3/07	9:00	1.581	0.602	0.162	72.827	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/3/07	10:00	1.581	0.602	0.162	72.827	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/3/07	11:00	1.583	0.604	0.164	73.426	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/3/07	12:00	1.589	0.610	0.168	75.239	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/3/07	13:00	1.598	0.619	0.174	78.010	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/3/07	14:00	1.573	0.594	0.157	70.462	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/3/07	15:00	1.573	0.594	0.157	70.462	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	16:00	1.561	0.582	0.149	67.001	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	17:00	1.572	0.593	0.156	70.169	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/3/07	18:00	1.565	0.586	0.152	68.143	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	19:00	1.57	0.591	0.155	69.587	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	20:00	1.57	0.591	0.155	69.587	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	21:00	1.57	0.591	0.155	69.587	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	22:00	1.568	0.589	0.154	69.007	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/3/07	23:00	1.573	0.594	0.157	70.462	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/4/07	0:00	1.571	0.592	0.156	69.878	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/4/07	1:00	1.571	0.592	0.156	69.878	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/4/07	2:00	1.569	0.590	0.154	69.296	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/4/07	3:00	1.576	0.597	0.159	71.343	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/4/07	4:00	1.577	0.598	0.160	71.638	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	5:00	1.579	0.600	0.161	72.231	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	6:00	1.577	0.598	0.160	71.638	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	7:00	1.58	0.601	0.162	72.529	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	8:00	1.575	0.596	0.158	71.049	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	9:00	1.58	0.601	0.162	72.529	1.373	0.042	0.012800	0.004307	0.152153	68.287
11/4/07	10:00	1.578	0.599	0.160	71.935	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	11:00	1.577	0.598	0.160	71.638	1.373	0.042	0.012800	0.004307	0.152153	68.287
11/4/07	12:00	1.593	0.614	0.170	76.463	1.373	0.042	0.012800	0.004307	0.152153	68.287
11/4/07	13:00	1.575	0.596	0.158	71.049	1.374	0.043	0.013105	0.004451	0.157221	70.561
11/4/07	14:00	1.584	0.605	0.164	73.726	1.374	0.043	0.013105	0.004451	0.157221	70.561
11/4/07	15:00	1.572	0.593	0.156	70.169	1.372	0.041	0.012496	0.004165	0.147140	66.037
11/4/07	16:00	1.562	0.583	0.150	67.285	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/4/07	17:00	1.574	0.595	0.158	70.755	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	18:00	1.56	0.581	0.149	66.717	1.373	0.042	0.012800	0.004307	0.152153	68.287
11/4/07	19:00	1.567	0.588	0.153	68.718	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	20:00	1.544	0.565	0.139	62.276	1.373	0.042	0.012800	0.004307	0.152153	68.287
11/4/07	21:00	1.516	0.537	0.122	54.942	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	22:00	1.492	0.513	0.109	49.088	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/4/07	23:00	1.476	0.497	0.101	45.404	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/5/07	0:00	1.467	0.488	0.097	43.407	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/5/07	1:00	1.464	0.485	0.095	42.753	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/5/07	2:00	1.46	0.481	0.093	41.891	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/5/07	3:00	1.458	0.479	0.092	41.464	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/5/07	4:00	1.47	0.491	0.098	44.067	1.372	0.041	0.012496	0.004165	0.147140	66.037
11/5/07	5:00	1.526	0.547	0.128	57.498	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/5/07	6:00	1.55	0.571	0.142	63.920	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/5/07	7:00	1.546	0.567	0.140	62.821	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/5/07	8:00	1.56	0.581	0.149	66.717	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/5/07	9:00	1.551	0.572	0.143	64.197	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/5/07	10:00	1.546	0.567	0.140	62.821	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/5/07	11:00	1.551	0.572	0.143	64.197	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/5/07	12:00	1.536	0.557	0.134	60.124	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/5/07	13:00	1.538	0.559	0.135	60.658	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/5/07	14:00	1.535	0.556	0.133	59.859	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/5/07	15:00	1.523	0.544	0.126	56.724	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/5/07	16:00	1.521	0.542	0.125	56.211	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/5/07	17:00	1.523	0.544	0.126	56.724	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/5/07	18:00	1.526	0.547	0.128	57.498	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/5/07	19:00	1.58	0.601	0.162	72.529	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/5/07	20:00	1.569	0.590	0.154	69.296	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/5/07	21:00	1.562	0.583	0.150	67.285	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/5/07	22:00	1.56	0.581	0.149	66.717	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/5/07	23:00	1.561	0.582	0.149	67.001	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/6/07	0:00	1.561	0.582	0.149	67.001	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/6/07	1:00	1.56	0.581	0.149	66.717	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/6/07	2:00	1.567	0.588	0.153	68.718	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/6/07	3:00	1.565	0.586	0.152	68.143	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/6/07	4:00	1.563	0.584	0.151	67.571	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	5:00	1.564	0.585	0.151	67.856	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	6:00	1.564	0.585	0.151	67.856	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/6/07	7:00	1.569	0.590	0.154	69.296	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	8:00	1.569	0.590	0.154	69.296	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/6/07	9:00	1.567	0.588	0.153	68.718	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	10:00	1.567	0.588	0.153	68.718	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	11:00	1.576	0.597	0.159	71.343	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	12:00	1.57	0.591	0.155	69.587	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	13:00	1.571	0.592	0.156	69.878	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/6/07	14:00	1.582	0.603	0.163	73.126	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/6/07	15:00	1.57	0.591	0.155	69.587	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/6/07	16:00	1.571	0.592	0.156	69.878	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/6/07	17:00	1.569	0.590	0.154	69.296	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/6/07	18:00	1.571	0.592	0.156	69.878	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/6/07	19:00	1.574	0.595	0.158	70.755	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/6/07	20:00	1.57	0.591	0.155	69.587	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/6/07	21:00	1.572	0.593	0.156	70.169	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/6/07	22:00	1.57	0.591	0.155	69.587	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/6/07	23:00	1.568	0.589	0.154	69.007	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	0:00	1.627	0.648	0.195	87.350	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	1:00	1.632	0.653	0.198	89.024	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	2:00	1.647	0.668	0.210	94.163	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	3:00	1.652	0.673	0.214	95.915	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	4:00	1.662	0.683	0.222	99.476	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	5:00	1.695	0.716	0.249	111.787	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/7/07	6:00	1.7	0.721	0.253	113.728	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/7/07	7:00	1.701	0.722	0.254	114.118	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/7/07	8:00	1.703	0.724	0.256	114.902	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/7/07	9:00	1.694	0.715	0.248	111.401	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/7/07	10:00	1.715	0.736	0.267	119.671	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/7/07	11:00	1.62	0.641	0.189	85.037	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/7/07	12:00	1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/7/07	13:00	1.625	0.646	0.193	86.685	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/7/07	14:00	1.609	0.630	0.182	81.478	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	15:00	1.616	0.637	0.187	83.732	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/7/07	16:00	1.62	0.641	0.189	85.037	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	17:00	1.582	0.603	0.163	73.126	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/7/07	18:00	1.58	0.601	0.162	72.529	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	19:00	1.585	0.606	0.165	74.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/7/07	20:00	1.585	0.606	0.165	74.027	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/7/07	21:00	1.585	0.606	0.165	74.027	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/7/07	22:00	1.587	0.608	0.166	74.632	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/7/07	23:00	1.585	0.606	0.165	74.027	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/8/07	0:00	1.586	0.607	0.166	74.329	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	1:00	1.586	0.607	0.166	74.329	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	2:00	1.588	0.609	0.167	74.935	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	3:00	1.588	0.609	0.167	74.935	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	4:00	1.586	0.607	0.166	74.329	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	5:00	1.589	0.610	0.168	75.239	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	6:00	1.587	0.608	0.166	74.632	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	7:00	1.589	0.610	0.168	75.239	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	8:00	1.587	0.608	0.166	74.632	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	9:00	1.585	0.606	0.165	74.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	10:00	1.592	0.613	0.170	76.156	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	11:00	1.592	0.613	0.170	76.156	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/8/07	12:00	1.593	0.614	0.170	76.463	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	13:00	1.585	0.606	0.165	74.027	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	14:00	1.589	0.610	0.168	75.239	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/8/07	15:00	1.6	0.621	0.175	78.634	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/8/07	16:00	1.584	0.605	0.164	73.726	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/8/07	17:00	1.588	0.609	0.167	74.935	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/8/07	18:00	1.584	0.605	0.164	73.726	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/8/07	19:00	1.584	0.605	0.164	73.726	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/8/07	20:00	1.586	0.607	0.166	74.329	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/8/07	21:00	1.572	0.593	0.156	70.169	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/8/07	22:00	1.577	0.598	0.160	71.638	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/8/07	23:00	1.58	0.601	0.162	72.529	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/9/07	0:00	1.578	0.599	0.160	71.935	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/9/07	1:00	1.578	0.599	0.160	71.935	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/9/07	2:00	1.581	0.602	0.162	72.827	1.369	0.038	0.011581	0.003749	0.132443	59.441

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/9/07	3:00	1.576	0.597	0.159	71.343	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/9/07	4:00	1.577	0.598	0.160	71.638	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/9/07	5:00	1.586	0.607	0.166	74.329	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/9/07	6:00	1.58	0.601	0.162	72.529	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	7:00	1.571	0.592	0.156	69.878	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	8:00	1.566	0.587	0.152	68.430	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	9:00	1.574	0.595	0.158	70.755	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	10:00	1.578	0.599	0.160	71.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/9/07	11:00	1.58	0.601	0.162	72.529	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	12:00	1.579	0.600	0.161	72.231	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	13:00	1.574	0.595	0.158	70.755	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	14:00	1.578	0.599	0.160	71.935	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/9/07	15:00	1.57	0.591	0.155	69.587	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/9/07	16:00	1.577	0.598	0.160	71.638	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/9/07	17:00	1.593	0.614	0.170	76.463	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/9/07	18:00	1.574	0.595	0.158	70.755	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/9/07	19:00	1.574	0.595	0.158	70.755	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/9/07	20:00	1.579	0.600	0.161	72.231	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/9/07	21:00	1.58	0.601	0.162	72.529	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/9/07	22:00	1.547	0.568	0.141	63.095	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/9/07	23:00	1.563	0.584	0.151	67.571	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	0:00	1.571	0.592	0.156	69.878	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	1:00	1.587	0.608	0.166	74.632	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/10/07	2:00	1.583	0.604	0.164	73.426	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/10/07	3:00	1.579	0.600	0.161	72.231	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	4:00	1.572	0.593	0.156	70.169	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	5:00	1.579	0.600	0.161	72.231	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/10/07	6:00	1.577	0.598	0.160	71.638	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	7:00	1.578	0.599	0.160	71.935	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	8:00	1.583	0.604	0.164	73.426	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	9:00	1.573	0.594	0.157	70.462	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	10:00	1.571	0.592	0.156	69.878	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	11:00	1.596	0.617	0.172	77.389	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/10/07	12:00	1.567	0.588	0.153	68.718	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/10/07	13:00	1.578	0.599	0.160	71.935	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/10/07	14:00	1.578	0.599	0.160	71.935	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/10/07	15:00	1.58	0.601	0.162	72.529	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	16:00	1.574	0.595	0.158	70.755	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	17:00	1.593	0.614	0.170	76.463	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	18:00	1.591	0.612	0.169	75.850	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/10/07	19:00	1.598	0.619	0.174	78.010	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/10/07	20:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/10/07	21:00	1.593	0.614	0.170	76.463	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/10/07	22:00	1.6	0.621	0.175	78.634	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/10/07	23:00	1.598	0.619	0.174	78.010	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/11/07	0:00	1.591	0.612	0.169	75.850	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/11/07	1:00	1.596	0.617	0.172	77.389	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/11/07	2:00	1.598	0.619	0.174	78.010	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	3:00	1.598	0.619	0.174	78.010	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/11/07	4:00	1.598	0.619	0.174	78.010	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	5:00	1.599	0.620	0.175	78.322	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	6:00	1.62	0.641	0.189	85.037	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	7:00	1.669	0.690	0.227	102.016	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/11/07	8:00	1.681	0.702	0.237	106.459	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	9:00	1.688	0.709	0.243	109.103	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	10:00	1.674	0.695	0.231	103.853	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	11:00	1.671	0.692	0.229	102.749	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	12:00	1.68	0.701	0.236	106.084	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/11/07	13:00	1.701	0.722	0.254	114.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/11/07	14:00	1.708	0.729	0.260	116.875	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/11/07	15:00	1.715	0.736	0.267	119.671	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/11/07	16:00	1.729	0.750	0.279	125.382	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/11/07	17:00	1.717	0.738	0.268	120.477	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	18:00	1.724	0.745	0.275	123.324	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/11/07	19:00	1.717	0.738	0.268	120.477	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/11/07	20:00	1.712	0.733	0.264	118.468	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/11/07	21:00	1.623	0.644	0.192	86.024	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	22:00	1.612	0.633	0.184	82.440	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/11/07	23:00	1.6	0.621	0.175	78.634	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/12/07	0:00	1.605	0.626	0.179	80.206	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/12/07	1:00	1.603	0.624	0.177	79.575	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/12/07	2:00	1.607	0.628	0.180	80.841	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	3:00	1.57	0.591	0.155	69.587	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	4:00	1.605	0.626	0.179	80.206	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	5:00	1.596	0.617	0.172	77.389	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/12/07	6:00	1.589	0.610	0.168	75.239	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	7:00	1.589	0.610	0.168	75.239	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	8:00	1.576	0.597	0.159	71.343	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	9:00	1.576	0.597	0.159	71.343	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	10:00	1.578	0.599	0.160	71.935	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	11:00	1.583	0.604	0.164	73.426	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/12/07	12:00	1.585	0.606	0.165	74.027	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	13:00	1.565	0.586	0.152	68.143	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	14:00	1.572	0.593	0.156	70.169	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	15:00	1.567	0.588	0.153	68.718	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	16:00	1.567	0.588	0.153	68.718	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	17:00	1.56	0.581	0.149	66.717	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	18:00	1.567	0.588	0.153	68.718	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	19:00	1.572	0.593	0.156	70.169	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/12/07	20:00	1.551	0.572	0.143	64.197	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	21:00	1.559	0.580	0.148	66.434	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/12/07	22:00	1.564	0.585	0.151	67.856	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/12/07	23:00	1.552	0.573	0.144	64.474	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/13/07	0:00	1.524	0.545	0.127	56.981	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/13/07	1:00	1.499	0.520	0.113	50.755	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/13/07	2:00	1.494	0.515	0.110	49.561	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/13/07	3:00	1.499	0.520	0.113	50.755	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/13/07	4:00	1.502	0.523	0.115	51.479	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/13/07	5:00	1.495	0.516	0.111	49.799	1.364	0.033	0.010057	0.003089	0.109124	48.975

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/13/07 6:00		1.503	0.524	0.115	51.722	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 7:00		1.47	0.491	0.098	44.067	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 8:00		1.468	0.489	0.097	43.626	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/13/07 9:00		1.464	0.485	0.095	42.753	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 10:00		1.461	0.482	0.094	42.106	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 11:00		1.465	0.486	0.096	42.971	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/13/07 12:00		1.474	0.495	0.100	44.956	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/13/07 13:00		1.48	0.501	0.103	46.309	1.371	0.04	0.012191	0.004025	0.142184	63.812
11/13/07 14:00		1.465	0.486	0.096	42.971	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 15:00		1.481	0.502	0.104	46.537	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/13/07 16:00		1.501	0.522	0.114	51.237	1.372	0.041	0.012496	0.004165	0.147140	66.037
11/13/07 17:00		1.504	0.525	0.116	51.966	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/13/07 18:00		1.504	0.525	0.116	51.966	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 19:00		1.501	0.522	0.114	51.237	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/13/07 20:00		1.499	0.520	0.113	50.755	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/13/07 21:00		1.506	0.527	0.117	52.455	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/13/07 22:00		1.504	0.525	0.116	51.966	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/13/07 23:00		1.509	0.530	0.119	53.194	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/14/07 0:00		1.504	0.525	0.116	51.966	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/14/07 1:00		1.505	0.526	0.116	52.210	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/14/07 2:00		1.519	0.540	0.124	55.701	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/14/07 3:00		1.522	0.543	0.126	56.467	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/14/07 4:00		1.517	0.538	0.123	55.194	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 5:00		1.517	0.538	0.123	55.194	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 6:00		1.52	0.541	0.125	55.956	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 7:00		1.525	0.546	0.128	57.239	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 8:00		1.518	0.539	0.124	55.447	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 9:00		1.52	0.541	0.125	55.956	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 10:00		1.499	0.520	0.113	50.755	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 11:00		1.509	0.530	0.119	53.194	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 12:00		1.518	0.539	0.124	55.447	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07 13:00		1.513	0.534	0.121	54.188	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/14/07 14:00		1.512	0.533	0.120	53.939	1.364	0.033	0.010057	0.003089	0.109124	48.975

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/14/07	15:00	1.524	0.545	0.127	56.981	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/14/07	16:00	1.514	0.535	0.121	54.439	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/14/07	17:00	1.517	0.538	0.123	55.194	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/14/07	18:00	1.524	0.545	0.127	56.981	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/14/07	19:00	1.513	0.534	0.121	54.188	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07	20:00	1.513	0.534	0.121	54.188	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/14/07	21:00	1.513	0.534	0.121	54.188	1.362	0.031	0.009448	0.002837	0.100226	44.982
11/14/07	22:00	1.509	0.530	0.119	53.194	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/14/07	23:00	1.514	0.535	0.121	54.439	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/15/07	0:00	1.515	0.536	0.122	54.690	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/15/07	1:00	1.513	0.534	0.121	54.188	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/15/07	2:00	1.478	0.499	0.102	45.855	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	3:00	1.464	0.485	0.095	42.753	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/15/07	4:00	1.472	0.493	0.099	44.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	5:00	1.472	0.493	0.099	44.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	6:00	1.465	0.486	0.096	42.971	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	7:00	1.468	0.489	0.097	43.626	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	8:00	1.466	0.487	0.096	43.188	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	9:00	1.461	0.482	0.094	42.106	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	10:00	1.459	0.480	0.093	41.677	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	11:00	1.456	0.477	0.091	41.039	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	12:00	1.453	0.474	0.090	40.407	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/15/07	13:00	1.459	0.480	0.093	41.677	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/15/07	14:00	1.456	0.477	0.091	41.039	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/15/07	15:00	1.457	0.478	0.092	41.251	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/15/07	16:00	1.454	0.475	0.091	40.617	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/15/07	17:00	1.454	0.475	0.091	40.617	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/15/07	18:00	1.459	0.480	0.093	41.677	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/15/07	19:00	1.438	0.459	0.083	37.335	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/15/07	20:00	1.417	0.438	0.074	33.276	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/15/07	21:00	1.393	0.414	0.065	28.976	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/15/07	22:00	1.372	0.393	0.057	25.502	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/15/07	23:00	1.37	0.391	0.056	25.185	1.364	0.033	0.010057	0.003089	0.109124	48.975

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/16/07	0:00	1.357	0.378	0.052	23.182	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/16/07	1:00	1.366	0.387	0.055	24.558	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	2:00	1.36	0.381	0.053	23.636	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/16/07	3:00	1.356	0.377	0.051	23.032	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	4:00	1.344	0.365	0.047	21.278	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	5:00	1.342	0.363	0.047	20.994	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	6:00	1.335	0.356	0.045	20.017	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	7:00	1.326	0.347	0.042	18.801	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	8:00	1.317	0.338	0.039	17.631	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/16/07	9:00	1.313	0.334	0.038	17.126	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	10:00	1.317	0.338	0.039	17.631	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	11:00	1.312	0.333	0.038	17.001	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/16/07	12:00	1.309	0.330	0.037	16.629	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/16/07	13:00	1.305	0.326	0.036	16.141	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/16/07	14:00	1.304	0.325	0.036	16.020	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/16/07	15:00	1.301	0.322	0.035	15.662	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	16:00	1.296	0.317	0.034	15.075	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	17:00	1.305	0.326	0.036	16.141	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	18:00	1.295	0.316	0.033	14.959	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	19:00	1.559	0.580	0.148	66.434	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/16/07	20:00	1.587	0.608	0.166	74.632	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/16/07	21:00	1.74	0.761	0.290	129.982	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/16/07	22:00	1.818	0.839	0.369	165.506	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/16/07	23:00	1.788	0.809	0.337	151.233	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	0:00	1.807	0.828	0.357	160.183	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	1:00	1.825	0.846	0.376	168.947	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	2:00	1.628	0.649	0.195	87.683	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	3:00	1.732	0.753	0.282	126.627	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/17/07	4:00	1.737	0.758	0.287	128.718	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	5:00	1.657	0.678	0.218	97.686	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	6:00	1.686	0.707	0.241	108.344	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	7:00	1.686	0.707	0.241	108.344	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	8:00	1.695	0.716	0.249	111.787	1.366	0.035	0.010667	0.003348	0.118271	53.080

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/17/07	9:00	1.712	0.733	0.264	118.468	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	10:00	1.719	0.740	0.270	121.286	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	11:00	1.733	0.754	0.283	127.044	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	12:00	1.744	0.765	0.293	131.680	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	13:00	1.726	0.747	0.277	124.145	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	14:00	1.737	0.758	0.287	128.718	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/17/07	15:00	1.753	0.774	0.302	135.548	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/17/07	16:00	1.769	0.790	0.318	142.590	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/17/07	17:00	1.814	0.835	0.364	163.558	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/17/07	18:00	1.844	0.865	0.398	178.505	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/17/07	19:00	1.844	0.865	0.398	178.505	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/17/07	20:00	1.871	0.892	0.429	192.633	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/17/07	21:00	1.836	0.857	0.389	174.442	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/17/07	22:00	1.829	0.850	0.381	170.933	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/17/07	23:00	1.803	0.824	0.353	158.273	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/18/07	0:00	1.797	0.818	0.346	155.434	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/18/07	1:00	1.787	0.808	0.336	150.770	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/18/07	2:00	1.79	0.811	0.339	152.160	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/18/07	3:00	1.783	0.804	0.332	148.929	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	4:00	1.821	0.842	0.372	166.975	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	5:00	1.779	0.800	0.328	147.101	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/18/07	6:00	1.805	0.826	0.355	159.226	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	7:00	1.817	0.838	0.368	165.017	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/18/07	8:00	1.86	0.881	0.416	186.799	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	9:00	1.806	0.827	0.356	159.704	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	10:00	1.813	0.834	0.363	163.073	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	11:00	1.82	0.841	0.371	166.485	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	12:00	1.817	0.838	0.368	165.017	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	13:00	1.819	0.840	0.370	165.995	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/18/07	14:00	1.815	0.836	0.366	164.043	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	15:00	1.815	0.836	0.366	164.043	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/18/07	16:00	1.833	0.854	0.385	172.933	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/18/07	17:00	1.85	0.871	0.405	181.589	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/18/07	18:00	1.857	0.878	0.413	185.227	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/18/07	19:00	1.855	0.876	0.410	184.183	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/18/07	20:00	1.869	0.890	0.427	191.564	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/18/07	21:00	1.869	0.890	0.427	191.564	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/18/07	22:00	1.827	0.848	0.379	169.939	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/18/07	23:00	1.836	0.857	0.389	174.442	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/19/07	0:00	1.877	0.898	0.436	195.861	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/19/07	1:00	1.886	0.907	0.447	200.763	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/19/07	2:00	1.874	0.895	0.433	194.243	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/19/07	3:00	1.879	0.900	0.439	196.944	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/19/07	4:00	1.877	0.898	0.436	195.861	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	5:00	1.889	0.910	0.451	202.413	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	6:00	1.887	0.908	0.449	201.312	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	7:00	1.883	0.904	0.444	199.121	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	8:00	1.885	0.906	0.446	200.214	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	9:00	1.869	0.890	0.427	191.564	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	10:00	1.826	0.847	0.378	169.443	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	11:00	1.835	0.856	0.388	173.938	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	12:00	1.872	0.893	0.430	193.169	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	13:00	1.841	0.862	0.394	176.975	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/19/07	14:00	1.859	0.880	0.415	186.274	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/19/07	15:00	1.852	0.873	0.407	182.624	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/19/07	16:00	1.847	0.868	0.401	180.043	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/19/07	17:00	1.851	0.872	0.406	182.106	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/19/07	18:00	1.853	0.874	0.408	183.143	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/19/07	19:00	1.858	0.879	0.414	185.750	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/19/07	20:00	1.924	0.945	0.495	222.267	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/19/07	21:00	1.934	0.955	0.508	228.146	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/19/07	22:00	1.891	0.912	0.453	203.517	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/19/07	23:00	1.892	0.913	0.455	204.071	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/20/07	0:00	1.911	0.932	0.479	214.762	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/20/07	1:00	1.861	0.882	0.417	187.325	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/20/07	2:00	1.89	0.911	0.452	202.965	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/20/07	3:00	1.885	0.906	0.446	200.214	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/20/07	4:00	1.886	0.907	0.447	200.763	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	5:00	1.891	0.912	0.453	203.517	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	6:00	1.893	0.914	0.456	204.626	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	7:00	1.91	0.931	0.477	214.192	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	8:00	1.865	0.886	0.422	189.438	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	9:00	1.879	0.900	0.439	196.944	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	10:00	1.868	0.889	0.426	191.031	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/20/07	11:00	1.748	0.769	0.297	133.391	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/20/07	12:00	1.734	0.755	0.284	127.461	1.367	0.036	0.010972	0.003480	0.122935	55.174
11/20/07	13:00	1.734	0.755	0.284	127.461	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/20/07	14:00	1.729	0.750	0.279	125.382	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/20/07	15:00	1.731	0.752	0.281	126.211	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/20/07	16:00	1.732	0.753	0.282	126.627	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/20/07	17:00	1.746	0.767	0.295	132.534	1.369	0.038	0.011581	0.003749	0.132443	59.441
11/20/07	18:00	1.739	0.760	0.289	129.560	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/20/07	19:00	1.73	0.751	0.280	125.796	1.366	0.035	0.010667	0.003348	0.118271	53.080
11/20/07	20:00	1.746	0.767	0.295	132.534	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/20/07	21:00	1.721	0.742	0.272	122.099	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/20/07	22:00	1.723	0.744	0.274	122.915	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/20/07	23:00	1.728	0.749	0.278	124.969	1.364	0.033	0.010057	0.003089	0.109124	48.975
11/21/07	0:00	1.724	0.745	0.275	123.324	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/21/07	1:00	1.71	0.731	0.262	117.670	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/21/07	2:00	1.723	0.744	0.274	122.915	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/21/07	3:00	1.711	0.732	0.263	118.068	1.361	0.03	0.009143	0.002714	0.095872	43.028
11/21/07	4:00	1.723	0.744	0.274	122.915	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/21/07	5:00	1.695	0.716	0.249	111.787	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/21/07	6:00	1.717	0.738	0.268	120.477	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/21/07	7:00	1.71	0.731	0.262	117.670	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/21/07	8:00	1.729	0.750	0.279	125.382	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/21/07	9:00	1.727	0.748	0.278	124.557	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/21/07	10:00	1.718	0.739	0.269	120.881	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/21/07	11:00	1.711	0.732	0.263	118.068	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/21/07	12:00	1.728	0.749	0.278	124.969	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	13:00	1.732	0.753	0.282	126.627	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/21/07	14:00	1.742	0.763	0.292	130.829	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	15:00	1.739	0.760	0.289	129.560	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	16:00	1.744	0.765	0.293	131.680	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	17:00	1.746	0.767	0.295	132.534	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/21/07	18:00	1.732	0.753	0.282	126.627	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/21/07	19:00	1.73	0.751	0.280	125.796	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	20:00	1.73	0.751	0.280	125.796	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	21:00	1.742	0.763	0.292	130.829	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/21/07	22:00	1.733	0.754	0.283	127.044	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/21/07	23:00	1.703	0.724	0.256	114.902	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/22/07	0:00	1.7	0.721	0.253	113.728	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	1:00	1.696	0.717	0.250	112.173	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	2:00	1.672	0.693	0.230	103.116	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	3:00	1.674	0.695	0.231	103.853	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	4:00	1.674	0.695	0.231	103.853	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	5:00	1.672	0.693	0.230	103.116	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	6:00	1.674	0.695	0.231	103.853	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	7:00	1.667	0.688	0.226	101.286	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	8:00	1.679	0.700	0.236	105.711	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	9:00	1.676	0.697	0.233	104.594	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	10:00	1.674	0.695	0.231	103.853	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	11:00	1.676	0.697	0.233	104.594	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	12:00	1.678	0.699	0.235	105.338	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	13:00	1.673	0.694	0.231	103.484	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/22/07	14:00	1.677	0.698	0.234	104.965	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	15:00	1.681	0.702	0.237	106.459	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	16:00	1.686	0.707	0.241	108.344	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	17:00	1.686	0.707	0.241	108.344	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	18:00	1.688	0.709	0.243	109.103	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	19:00	1.688	0.709	0.243	109.103	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	20:00	1.686	0.707	0.241	108.344	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/22/07	21:00	1.68	0.701	0.236	106.084	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	22:00	1.68	0.701	0.236	106.084	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/22/07	23:00	1.668	0.689	0.226	101.651	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/23/07	0:00	1.664	0.685	0.223	100.198	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	1:00	1.661	0.682	0.221	99.117	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	2:00	1.661	0.682	0.221	99.117	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	3:00	1.659	0.680	0.219	98.400	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	4:00	1.659	0.680	0.219	98.400	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	5:00	1.657	0.678	0.218	97.686	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	6:00	1.657	0.678	0.218	97.686	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	7:00	1.655	0.676	0.216	96.975	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	8:00	1.655	0.676	0.216	96.975	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	9:00	1.65	0.671	0.212	95.212	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	10:00	1.653	0.674	0.215	96.268	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/23/07	11:00	1.652	0.673	0.214	95.915	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	12:00	1.654	0.675	0.215	96.621	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	13:00	1.667	0.688	0.226	101.286	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/23/07	14:00	1.685	0.706	0.241	107.965	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/23/07	15:00	1.702	0.723	0.255	114.510	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/23/07	16:00	1.704	0.725	0.257	115.295	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/23/07	17:00	1.706	0.727	0.259	116.083	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/23/07	18:00	1.707	0.728	0.260	116.479	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/23/07	19:00	1.702	0.723	0.255	114.510	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/23/07	20:00	1.695	0.716	0.249	111.787	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/23/07	21:00	1.691	0.712	0.246	110.249	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/23/07	22:00	1.691	0.712	0.246	110.249	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/23/07	23:00	1.687	0.708	0.242	108.723	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	0:00	1.691	0.712	0.246	110.249	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	1:00	1.689	0.710	0.244	109.484	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	2:00	1.694	0.715	0.248	111.401	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	3:00	1.694	0.715	0.248	111.401	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	4:00	1.692	0.713	0.247	110.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	5:00	1.699	0.720	0.253	113.338	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/24/07	6:00	1.692	0.713	0.247	110.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	7:00	1.692	0.713	0.247	110.632	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	8:00	1.697	0.718	0.251	112.561	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	9:00	1.692	0.713	0.247	110.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	10:00	1.701	0.722	0.254	114.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	11:00	1.704	0.725	0.257	115.295	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	12:00	1.708	0.729	0.260	116.875	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	13:00	1.729	0.750	0.279	125.382	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	14:00	1.736	0.757	0.286	128.298	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	15:00	1.742	0.763	0.292	130.829	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	16:00	1.751	0.772	0.300	134.682	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	17:00	1.744	0.765	0.293	131.680	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	18:00	1.744	0.765	0.293	131.680	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/24/07	19:00	1.742	0.763	0.292	130.829	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	20:00	1.742	0.763	0.292	130.829	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	21:00	1.738	0.759	0.288	129.139	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/24/07	22:00	1.736	0.757	0.286	128.298	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/24/07	23:00	1.736	0.757	0.286	128.298	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	0:00	1.725	0.746	0.276	123.734	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	1:00	1.713	0.734	0.265	118.868	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	2:00	1.713	0.734	0.265	118.868	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	3:00	1.708	0.729	0.260	116.875	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/25/07	4:00	1.711	0.732	0.263	118.068	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	5:00	1.706	0.727	0.259	116.083	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	6:00	1.702	0.723	0.255	114.510	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	7:00	1.692	0.713	0.247	110.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	8:00	1.685	0.706	0.241	107.965	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/25/07	9:00	1.683	0.704	0.239	107.211	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	10:00	1.624	0.645	0.192	86.354	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/25/07	11:00	1.64	0.661	0.204	91.744	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	12:00	1.632	0.653	0.198	89.024	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	13:00	1.641	0.662	0.205	92.087	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	14:00	1.654	0.675	0.215	96.621	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/25/07	15:00	1.663	0.684	0.222	99.837	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/25/07	16:00	1.682	0.703	0.238	106.834	1.372	0.041	0.012496	0.004165	0.147140	66.037
11/25/07	17:00	1.689	0.710	0.244	109.484	1.375	0.044	0.013410	0.004596	0.162345	72.860
11/25/07	18:00	1.694	0.715	0.248	111.401	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/25/07	19:00	1.696	0.717	0.250	112.173	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/25/07	20:00	1.692	0.713	0.247	110.632	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/25/07	21:00	1.697	0.718	0.251	112.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/25/07	22:00	1.699	0.720	0.253	113.338	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/25/07	23:00	1.681	0.702	0.237	106.459	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	0:00	1.681	0.702	0.237	106.459	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	1:00	1.665	0.686	0.224	100.560	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	2:00	1.66	0.681	0.220	98.758	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	3:00	1.661	0.682	0.221	99.117	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	4:00	1.661	0.682	0.221	99.117	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	5:00	1.661	0.682	0.221	99.117	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	6:00	1.654	0.675	0.215	96.621	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/26/07	7:00	1.654	0.675	0.215	96.621	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/26/07	8:00	1.648	0.669	0.211	94.512	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	9:00	1.636	0.657	0.201	90.378	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/26/07	10:00	1.636	0.657	0.201	90.378	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/26/07	11:00	1.633	0.654	0.199	89.362	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/26/07	12:00	1.659	0.680	0.219	98.400	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	13:00	1.655	0.676	0.216	96.975	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/26/07	14:00	1.671	0.692	0.229	102.749	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	15:00	1.672	0.693	0.230	103.116	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	16:00	1.674	0.695	0.231	103.853	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	17:00	1.679	0.700	0.236	105.711	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/26/07	18:00	1.667	0.688	0.226	101.286	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/26/07	19:00	1.67	0.691	0.228	102.382	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	20:00	1.673	0.694	0.231	103.484	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	21:00	1.666	0.687	0.225	100.923	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/26/07	22:00	1.657	0.678	0.218	97.686	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/26/07	23:00	1.657	0.678	0.218	97.686	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/27/07	0:00	1.65	0.671	0.212	95.212	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	1:00	1.644	0.665	0.207	93.122	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	2:00	1.651	0.672	0.213	95.563	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	3:00	1.649	0.670	0.211	94.862	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	4:00	1.649	0.670	0.211	94.862	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	5:00	1.649	0.670	0.211	94.862	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	6:00	1.654	0.675	0.215	96.621	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/27/07	7:00	1.65	0.671	0.212	95.212	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	8:00	1.643	0.664	0.207	92.776	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	9:00	1.641	0.662	0.205	92.087	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	10:00	1.646	0.667	0.209	93.815	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/27/07	11:00	1.648	0.669	0.211	94.512	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/27/07	12:00	1.645	0.666	0.208	93.468	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	13:00	1.65	0.671	0.212	95.212	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/27/07	14:00	1.649	0.670	0.211	94.862	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	15:00	1.651	0.672	0.213	95.563	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/27/07	16:00	1.632	0.653	0.198	89.024	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/27/07	17:00	1.613	0.634	0.184	82.762	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/27/07	18:00	1.609	0.630	0.182	81.478	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/27/07	19:00	1.613	0.634	0.184	82.762	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/27/07	20:00	1.616	0.637	0.187	83.732	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/27/07	21:00	1.609	0.630	0.182	81.478	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/27/07	22:00	1.614	0.635	0.185	83.085	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/27/07	23:00	1.614	0.635	0.185	83.085	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	0:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	1:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	2:00	1.61	0.631	0.182	81.798	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	3:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/28/07	4:00	1.605	0.626	0.179	80.206	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	5:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	6:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	7:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	8:00	1.591	0.612	0.169	75.850	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/28/07	9:00	1.596	0.617	0.172	77.389	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/28/07	10:00	1.587	0.608	0.166	74.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	11:00	1.584	0.605	0.164	73.726	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/28/07	12:00	1.579	0.600	0.161	72.231	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	13:00	1.576	0.597	0.159	71.343	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/28/07	14:00	1.582	0.603	0.163	73.126	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/28/07	15:00	1.579	0.600	0.161	72.231	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	16:00	1.586	0.607	0.166	74.329	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	17:00	1.584	0.605	0.164	73.726	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/28/07	18:00	1.586	0.607	0.166	74.329	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	19:00	1.589	0.610	0.168	75.239	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	20:00	1.587	0.608	0.166	74.632	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	21:00	1.592	0.613	0.170	76.156	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/28/07	22:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/28/07	23:00	1.6	0.621	0.175	78.634	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	0:00	1.591	0.612	0.169	75.850	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	1:00	1.582	0.603	0.163	73.126	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	2:00	1.585	0.606	0.165	74.027	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	3:00	1.611	0.632	0.183	82.118	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	4:00	1.608	0.629	0.181	81.159	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/29/07	5:00	1.599	0.620	0.175	78.322	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	6:00	1.62	0.641	0.189	85.037	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	7:00	1.613	0.634	0.184	82.762	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/29/07	8:00	1.606	0.627	0.179	80.523	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/29/07	9:00	1.606	0.627	0.179	80.523	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/29/07	10:00	1.622	0.643	0.191	85.694	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/29/07	11:00	1.629	0.650	0.196	88.017	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	12:00	1.633	0.654	0.199	89.362	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/29/07	13:00	1.634	0.655	0.200	89.700	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/29/07	14:00	1.636	0.657	0.201	90.378	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/29/07	15:00	1.634	0.655	0.200	89.700	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/29/07	16:00	1.626	0.647	0.194	87.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/29/07	17:00	1.619	0.640	0.189	84.710	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
11/29/07	18:00	1.601	0.622	0.176	78.947	1.37	0.039	0.011886	0.003886	0.137285	61.614
11/29/07	19:00	1.58	0.601	0.162	72.529	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/29/07	20:00	1.575	0.596	0.158	71.049	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/29/07	21:00	1.554	0.575	0.145	65.030	1.368	0.037	0.011277	0.003614	0.127660	57.294
11/29/07	22:00	1.545	0.566	0.139	62.549	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/29/07	23:00	1.541	0.562	0.137	61.464	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/30/07	0:00	1.55	0.571	0.142	63.920	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/30/07	1:00	1.558	0.579	0.147	66.152	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/30/07	2:00	1.56	0.581	0.149	66.717	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/30/07	3:00	1.563	0.584	0.151	67.571	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	4:00	1.562	0.583	0.150	67.285	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/30/07	5:00	1.569	0.590	0.154	69.296	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	6:00	1.565	0.586	0.152	68.143	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	7:00	1.605	0.626	0.179	80.206	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	8:00	1.573	0.594	0.157	70.462	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/30/07	9:00	1.552	0.573	0.144	64.474	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/30/07	10:00	1.549	0.570	0.142	63.644	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/30/07	11:00	1.549	0.570	0.142	63.644	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/30/07	12:00	1.548	0.569	0.141	63.369	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/30/07	13:00	1.552	0.573	0.144	64.474	1.356	0.025	0.007619	0.002126	0.075100	33.705
11/30/07	14:00	1.549	0.570	0.142	63.644	1.358	0.027	0.008229	0.002355	0.083206	37.343
11/30/07	15:00	1.553	0.574	0.144	64.752	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	16:00	1.55	0.571	0.142	63.920	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	17:00	1.738	0.759	0.288	129.139	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/30/07	18:00	1.759	0.780	0.308	138.164	1.365	0.034	0.010362	0.003218	0.113667	51.014
11/30/07	19:00	1.764	0.785	0.313	140.366	1.363	0.032	0.009753	0.002962	0.104643	46.964
11/30/07	20:00	1.769	0.790	0.318	142.590	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	21:00	1.769	0.790	0.318	142.590	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	22:00	1.767	0.788	0.316	141.698	1.36	0.029	0.008838	0.002593	0.091584	41.103
11/30/07	23:00	1.767	0.788	0.316	141.698	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/1/07	0:00	1.76	0.781	0.309	138.602	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/1/07	1:00	1.751	0.772	0.300	134.682	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/1/07	2:00	1.758	0.779	0.307	137.725	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/1/07	3:00	1.754	0.775	0.303	135.982	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/1/07	4:00	1.758	0.779	0.307	137.725	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/1/07	5:00	1.768	0.789	0.317	142.144	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/1/07	6:00	1.766	0.787	0.315	141.253	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/1/07	7:00	1.632	0.653	0.198	89.024	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/1/07	8:00	1.655	0.676	0.216	96.975	1.379	0.048	0.014629	0.005191	0.183377	82.300
12/1/07	9:00	1.688	0.709	0.243	109.103	1.377	0.046	0.014020	0.004891	0.172754	77.532
12/1/07	10:00	1.78	0.801	0.329	147.557	1.384	0.053	0.016153	0.005969	0.210841	94.626
12/1/07	11:00	1.808	0.829	0.358	160.662	1.391	0.06	0.018287	0.007117	0.251378	112.818
12/1/07	12:00	1.864	0.885	0.421	188.908	1.403	0.072	0.021944	0.009234	0.326175	146.388
12/1/07	13:00	1.897	0.918	0.461	206.853	1.417	0.086	0.026211	0.011927	0.421278	189.070
12/1/07	14:00	1.942	0.963	0.519	232.915	1.417	0.086	0.026211	0.011927	0.421278	189.070
12/1/07	15:00	1.953	0.974	0.534	239.569	1.436	0.105	0.032002	0.015931	0.562690	252.535
12/1/07	16:00	1.946	0.967	0.524	235.322	1.441	0.11	0.033526	0.017047	0.602114	270.229
12/1/07	17:00	1.944	0.965	0.522	234.116	1.434	0.103	0.031392	0.015491	0.547171	245.570
12/1/07	18:00	1.91	0.931	0.477	214.192	1.431	0.1	0.030478	0.014840	0.524166	235.246
12/1/07	19:00	1.9	0.921	0.465	208.533	1.422	0.091	0.027735	0.012943	0.457161	205.174
12/1/07	20:00	1.883	0.904	0.444	199.121	1.412	0.081	0.024687	0.010939	0.386387	173.411
12/1/07	21:00	1.709	0.730	0.261	117.272	1.398	0.067	0.020420	0.008330	0.294223	132.048
12/1/07	22:00	1.686	0.707	0.241	108.344	1.391	0.06	0.018287	0.007117	0.251378	112.818
12/1/07	23:00	1.653	0.674	0.215	96.268	1.386	0.055	0.016763	0.006290	0.222180	99.714
12/2/07	0:00	1.641	0.662	0.205	92.087	1.382	0.051	0.015544	0.005654	0.199702	89.627
12/2/07	1:00	1.639	0.660	0.204	91.401	1.379	0.048	0.014629	0.005191	0.183377	82.300
12/2/07	2:00	1.629	0.650	0.196	88.017	1.377	0.046	0.014020	0.004891	0.172754	77.532
12/2/07	3:00	1.618	0.639	0.188	84.383	1.375	0.044	0.013410	0.004596	0.162345	72.860
12/2/07	4:00	1.623	0.644	0.192	86.024	1.375	0.044	0.013410	0.004596	0.162345	72.860
12/2/07	5:00	1.614	0.635	0.185	83.085	1.375	0.044	0.013410	0.004596	0.162345	72.860
12/2/07	6:00	1.647	0.668	0.210	94.163	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/2/07	7:00	1.629	0.650	0.196	88.017	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/2/07	8:00	1.537	0.558	0.135	60.391	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/2/07	9:00	1.597	0.618	0.173	77.699	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/2/07	10:00	1.75	0.771	0.299	134.251	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/2/07	11:00	1.757	0.778	0.306	137.288	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/2/07	12:00	1.76	0.781	0.309	138.602	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/2/07	13:00	1.748	0.769	0.297	133.391	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/2/07	14:00	1.768	0.789	0.317	142.144	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/2/07	15:00	1.754	0.775	0.303	135.982	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/2/07	16:00	1.756	0.777	0.305	136.852	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/2/07	17:00	1.766	0.787	0.315	141.253	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/2/07	18:00	1.75	0.771	0.299	134.251	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/2/07	19:00	1.75	0.771	0.299	134.251	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/2/07	20:00	1.741	0.762	0.291	130.405	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/2/07	21:00	1.737	0.758	0.287	128.718	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/2/07	22:00	1.735	0.756	0.285	127.879	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/2/07	23:00	1.73	0.751	0.280	125.796	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/3/07	0:00	1.728	0.749	0.278	124.969	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	1:00	1.725	0.746	0.276	123.734	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/3/07	2:00	1.722	0.743	0.273	122.507	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	3:00	1.715	0.736	0.267	119.671	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	4:00	1.71	0.731	0.262	117.670	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	5:00	1.708	0.729	0.260	116.875	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	6:00	1.71	0.731	0.262	117.670	1.358	0.027	0.008229	0.002355	0.083206	37.343
12/3/07	7:00	1.708	0.729	0.260	116.875	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	8:00	1.705	0.726	0.258	115.689	1.358	0.027	0.008229	0.002355	0.083206	37.343
12/3/07	9:00	1.715	0.736	0.267	119.671	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	10:00	1.705	0.726	0.258	115.689	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	11:00	1.712	0.733	0.264	118.468	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/3/07	12:00	1.711	0.732	0.263	118.068	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/3/07	13:00	1.729	0.750	0.279	125.382	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/3/07	14:00	1.735	0.756	0.285	127.879	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/3/07	15:00	1.742	0.763	0.292	130.829	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/3/07	16:00	1.758	0.779	0.307	137.725	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/3/07	17:00	1.767	0.788	0.316	141.698	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/3/07	18:00	1.761	0.782	0.310	139.042	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/3/07	19:00	1.751	0.772	0.300	134.682	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/3/07	20:00	1.745	0.766	0.294	132.106	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/3/07	21:00	1.74	0.761	0.290	129.982	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/3/07	22:00	1.738	0.759	0.288	129.139	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/3/07	23:00	1.736	0.757	0.286	128.298	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/4/07	0:00	1.736	0.757	0.286	128.298	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/4/07	1:00	1.734	0.755	0.284	127.461	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	2:00	1.734	0.755	0.284	127.461	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	3:00	1.732	0.753	0.282	126.627	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	4:00	1.732	0.753	0.282	126.627	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	5:00	1.732	0.753	0.282	126.627	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	6:00	1.73	0.751	0.280	125.796	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/4/07	7:00	1.73	0.751	0.280	125.796	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	8:00	1.73	0.751	0.280	125.796	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	9:00	1.727	0.748	0.278	124.557	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	10:00	1.727	0.748	0.278	124.557	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	11:00	1.729	0.750	0.279	125.382	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	12:00	1.733	0.754	0.283	127.044	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/4/07	13:00	1.742	0.763	0.292	130.829	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/4/07	14:00	1.751	0.772	0.300	134.682	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/4/07	15:00	1.765	0.786	0.314	140.810	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/4/07	16:00	1.778	0.799	0.327	146.646	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/4/07	17:00	1.783	0.804	0.332	148.929	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/4/07	18:00	1.785	0.806	0.334	149.848	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/4/07	19:00	1.783	0.804	0.332	148.929	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/4/07	20:00	1.773	0.794	0.322	144.384	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/4/07	21:00	1.766	0.787	0.315	141.253	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/4/07	22:00	1.764	0.785	0.313	140.366	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/4/07	23:00	1.766	0.787	0.315	141.253	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/5/07	0:00	1.759	0.780	0.308	138.164	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/5/07	1:00	1.762	0.783	0.311	139.483	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/5/07	2:00	1.769	0.790	0.318	142.590	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/5/07	3:00	1.748	0.769	0.297	133.391	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/5/07	4:00	1.788	0.809	0.337	151.233	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	5:00	1.77	0.791	0.319	143.038	1.37	0.039	0.011886	0.003886	0.137285	61.614

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/5/07	6:00	1.741	0.762	0.291	130.405	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/5/07	7:00	1.732	0.753	0.282	126.627	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/5/07	8:00	1.73	0.751	0.280	125.796	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/5/07	9:00	1.736	0.757	0.286	128.298	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	10:00	1.725	0.746	0.276	123.734	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/5/07	11:00	1.73	0.751	0.280	125.796	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	12:00	1.725	0.746	0.276	123.734	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	13:00	1.729	0.750	0.279	125.382	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	14:00	1.727	0.748	0.278	124.557	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	15:00	1.731	0.752	0.281	126.211	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/5/07	16:00	1.735	0.756	0.285	127.879	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	17:00	1.742	0.763	0.292	130.829	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	18:00	1.737	0.758	0.287	128.718	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/5/07	19:00	1.73	0.751	0.280	125.796	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/5/07	20:00	1.726	0.747	0.277	124.145	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	21:00	1.726	0.747	0.277	124.145	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/5/07	22:00	1.719	0.740	0.270	121.286	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/5/07	23:00	1.714	0.735	0.266	119.269	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	0:00	1.712	0.733	0.264	118.468	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	1:00	1.712	0.733	0.264	118.468	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	2:00	1.709	0.730	0.261	117.272	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	3:00	1.709	0.730	0.261	117.272	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	4:00	1.712	0.733	0.264	118.468	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	5:00	1.702	0.723	0.255	114.510	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	6:00	1.702	0.723	0.255	114.510	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	7:00	1.707	0.728	0.260	116.479	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	8:00	1.707	0.728	0.260	116.479	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	9:00	1.707	0.728	0.260	116.479	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/6/07	10:00	1.731	0.752	0.281	126.211	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/6/07	11:00	1.726	0.747	0.277	124.145	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/6/07	12:00	1.724	0.745	0.275	123.324	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/6/07	13:00	1.726	0.747	0.277	124.145	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/6/07	14:00	1.73	0.751	0.280	125.796	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/6/07	15:00	1.728	0.749	0.278	124.969	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/6/07	16:00	1.725	0.746	0.276	123.734	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/6/07	17:00	1.725	0.746	0.276	123.734	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/6/07	18:00	1.725	0.746	0.276	123.734	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/6/07	19:00	1.727	0.748	0.278	124.557	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/6/07	20:00	1.725	0.746	0.276	123.734	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/6/07	21:00	1.725	0.746	0.276	123.734	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/6/07	22:00	1.723	0.744	0.274	122.915	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/6/07	23:00	1.723	0.744	0.274	122.915	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	0:00	1.723	0.744	0.274	122.915	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	1:00	1.721	0.742	0.272	122.099	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/7/07	2:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	3:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	4:00	1.723	0.744	0.274	122.915	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	5:00	1.723	0.744	0.274	122.915	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	6:00	1.719	0.740	0.270	121.286	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	7:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	8:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	9:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	10:00	1.721	0.742	0.272	122.099	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/7/07	11:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	12:00	1.72	0.741	0.271	121.692	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	13:00	1.722	0.743	0.273	122.507	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	14:00	1.724	0.745	0.275	123.324	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	15:00	1.726	0.747	0.277	124.145	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	16:00	1.726	0.747	0.277	124.145	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	17:00	1.726	0.747	0.277	124.145	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	18:00	1.728	0.749	0.278	124.969	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	19:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	20:00	1.721	0.742	0.272	122.099	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	21:00	1.722	0.743	0.273	122.507	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	22:00	1.722	0.743	0.273	122.507	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/7/07	23:00	1.72	0.741	0.271	121.692	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/8/07	0:00	1.717	0.738	0.268	120.477	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/8/07	1:00	1.715	0.736	0.267	119.671	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/8/07	2:00	1.718	0.739	0.269	120.881	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/8/07	3:00	1.713	0.734	0.265	118.868	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	4:00	1.72	0.741	0.271	121.692	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/8/07	5:00	1.714	0.735	0.266	119.269	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	6:00	1.716	0.737	0.268	120.073	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/8/07	7:00	1.714	0.735	0.266	119.269	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/8/07	8:00	1.709	0.730	0.261	117.272	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	9:00	1.717	0.738	0.268	120.477	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/8/07	10:00	1.707	0.728	0.260	116.479	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	11:00	1.71	0.731	0.262	117.670	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	12:00	1.707	0.728	0.260	116.479	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	13:00	1.703	0.724	0.256	114.902	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	14:00	1.702	0.723	0.255	114.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	15:00	1.705	0.726	0.258	115.689	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	16:00	1.714	0.735	0.266	119.269	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	17:00	1.702	0.723	0.255	114.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	18:00	1.702	0.723	0.255	114.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	19:00	1.702	0.723	0.255	114.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	20:00	1.698	0.719	0.252	112.949	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/8/07	21:00	1.698	0.719	0.252	112.949	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/8/07	22:00	1.698	0.719	0.252	112.949	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/8/07	23:00	1.696	0.717	0.250	112.173	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/9/07	0:00	1.694	0.715	0.248	111.401	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/9/07	1:00	1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	2:00	1.706	0.727	0.259	116.083	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	3:00	1.699	0.720	0.253	113.338	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	4:00	1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	5:00	1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	6:00	1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	7:00	1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07	8:00	1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/9/07 9:00		1.696	0.717	0.250	112.173	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07 10:00		1.703	0.724	0.256	114.902	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07 11:00		1.699	0.720	0.253	113.338	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07 12:00		1.701	0.722	0.254	114.118	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07 13:00		1.703	0.724	0.256	114.902	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 14:00		1.703	0.724	0.256	114.902	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/9/07 15:00		1.7	0.721	0.253	113.728	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 16:00		1.705	0.726	0.258	115.689	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 17:00		1.707	0.728	0.260	116.479	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 18:00		1.705	0.726	0.258	115.689	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 19:00		1.702	0.723	0.255	114.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 20:00		1.702	0.723	0.255	114.510	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 21:00		1.703	0.724	0.256	114.902	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 22:00		1.705	0.726	0.258	115.689	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/9/07 23:00		1.703	0.724	0.256	114.902	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 0:00		1.7	0.721	0.253	113.728	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 1:00		1.7	0.721	0.253	113.728	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 2:00		1.696	0.717	0.250	112.173	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 3:00		1.696	0.717	0.250	112.173	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 4:00		1.684	0.705	0.240	107.588	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 5:00		1.694	0.715	0.248	111.401	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 6:00		1.689	0.710	0.244	109.484	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 7:00		1.689	0.710	0.244	109.484	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/10/07 8:00		1.691	0.712	0.246	110.249	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 9:00		1.687	0.708	0.242	108.723	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 10:00		1.682	0.703	0.238	106.834	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 11:00		1.682	0.703	0.238	106.834	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 12:00		1.691	0.712	0.246	110.249	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/10/07 13:00		1.688	0.709	0.243	109.103	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/10/07 14:00		1.695	0.716	0.249	111.787	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/10/07 15:00		1.695	0.716	0.249	111.787	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/10/07 16:00		1.702	0.723	0.255	114.510	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/10/07 17:00		1.702	0.723	0.255	114.510	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/10/07	18:00	1.702	0.723	0.255	114.510	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/10/07	19:00	1.704	0.725	0.257	115.295	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/10/07	20:00	1.704	0.725	0.257	115.295	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/10/07	21:00	1.702	0.723	0.255	114.510	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/10/07	22:00	1.704	0.725	0.257	115.295	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/10/07	23:00	1.721	0.742	0.272	122.099	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	0:00	1.743	0.764	0.292	131.254	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	1:00	1.724	0.745	0.275	123.324	1.375	0.044	0.013410	0.004596	0.162345	72.860
12/11/07	2:00	1.724	0.745	0.275	123.324	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/11/07	3:00	1.731	0.752	0.281	126.211	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	4:00	1.728	0.749	0.278	124.969	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/11/07	5:00	1.726	0.747	0.277	124.145	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/11/07	6:00	1.724	0.745	0.275	123.324	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	7:00	1.726	0.747	0.277	124.145	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/11/07	8:00	1.722	0.743	0.273	122.507	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/11/07	9:00	1.724	0.745	0.275	123.324	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/11/07	10:00	1.717	0.738	0.268	120.477	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	11:00	1.712	0.733	0.264	118.468	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	12:00	1.714	0.735	0.266	119.269	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	13:00	1.712	0.733	0.264	118.468	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	14:00	1.707	0.728	0.260	116.479	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	15:00	1.709	0.730	0.261	117.272	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/11/07	16:00	1.711	0.732	0.263	118.068	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	17:00	1.709	0.730	0.261	117.272	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	18:00	1.709	0.730	0.261	117.272	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	19:00	1.707	0.728	0.260	116.479	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	20:00	1.704	0.725	0.257	115.295	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/11/07	21:00	1.702	0.723	0.255	114.510	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	22:00	1.702	0.723	0.255	114.510	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/11/07	23:00	1.705	0.726	0.258	115.689	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	0:00	1.698	0.719	0.252	112.949	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	1:00	1.703	0.724	0.256	114.902	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/12/07	2:00	1.703	0.724	0.256	114.902	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/12/07	3:00	1.7	0.721	0.253	113.728	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	4:00	1.691	0.712	0.246	110.249	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	5:00	1.691	0.712	0.246	110.249	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	6:00	1.693	0.714	0.247	111.016	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	7:00	1.688	0.709	0.243	109.103	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/12/07	8:00	1.688	0.709	0.243	109.103	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/12/07	9:00	1.693	0.714	0.247	111.016	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	10:00	1.686	0.707	0.241	108.344	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/12/07	11:00	1.686	0.707	0.241	108.344	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	12:00	1.686	0.707	0.241	108.344	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/12/07	13:00	1.685	0.706	0.241	107.965	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	14:00	1.69	0.711	0.245	109.866	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	15:00	1.692	0.713	0.247	110.632	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	16:00	1.694	0.715	0.248	111.401	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	17:00	1.696	0.717	0.250	112.173	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/12/07	18:00	1.694	0.715	0.248	111.401	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/12/07	19:00	1.696	0.717	0.250	112.173	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	20:00	1.692	0.713	0.247	110.632	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/12/07	21:00	1.697	0.718	0.251	112.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	22:00	1.694	0.715	0.248	111.401	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/12/07	23:00	1.695	0.716	0.249	111.787	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	0:00	1.697	0.718	0.251	112.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	1:00	1.697	0.718	0.251	112.561	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/13/07	2:00	1.697	0.718	0.251	112.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	3:00	1.693	0.714	0.247	111.016	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	4:00	1.697	0.718	0.251	112.561	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	5:00	1.688	0.709	0.243	109.103	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	6:00	1.69	0.711	0.245	109.866	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	7:00	1.688	0.709	0.243	109.103	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	8:00	1.686	0.707	0.241	108.344	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	9:00	1.681	0.702	0.237	106.459	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	10:00	1.677	0.698	0.234	104.965	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	11:00	1.679	0.700	0.236	105.711	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/13/07	12:00	1.676	0.697	0.233	104.594	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	13:00	1.68	0.701	0.236	106.084	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	14:00	1.685	0.706	0.241	107.965	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	15:00	1.691	0.712	0.246	110.249	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/13/07	16:00	1.693	0.714	0.247	111.016	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	17:00	1.7	0.721	0.253	113.728	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	18:00	1.701	0.722	0.254	114.118	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/13/07	19:00	1.696	0.717	0.250	112.173	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/13/07	20:00	1.696	0.717	0.250	112.173	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	21:00	1.692	0.713	0.247	110.632	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	22:00	1.687	0.708	0.242	108.723	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/13/07	23:00	1.685	0.706	0.241	107.965	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/14/07	0:00	1.683	0.704	0.239	107.211	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/14/07	1:00	1.683	0.704	0.239	107.211	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/14/07	2:00	1.679	0.700	0.236	105.711	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/14/07	3:00	1.676	0.697	0.233	104.594	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	4:00	1.676	0.697	0.233	104.594	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	5:00	1.674	0.695	0.231	103.853	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	6:00	1.672	0.693	0.230	103.116	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	7:00	1.672	0.693	0.230	103.116	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	8:00	1.667	0.688	0.226	101.286	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	9:00	1.667	0.688	0.226	101.286	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	10:00	1.66	0.681	0.220	98.758	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	11:00	1.667	0.688	0.226	101.286	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/14/07	12:00	1.669	0.690	0.227	102.016	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/14/07	13:00	1.674	0.695	0.231	103.853	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	14:00	1.68	0.701	0.236	106.084	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	15:00	1.678	0.699	0.235	105.338	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	16:00	1.684	0.705	0.240	107.588	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	17:00	1.684	0.705	0.240	107.588	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	18:00	1.684	0.705	0.240	107.588	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	19:00	1.678	0.699	0.235	105.338	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	20:00	1.676	0.697	0.233	104.594	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/14/07	21:00	1.673	0.694	0.231	103.484	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/14/07	22:00	1.674	0.695	0.231	103.853	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/14/07	23:00	1.672	0.693	0.230	103.116	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/15/07	0:00	1.672	0.693	0.230	103.116	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/15/07	1:00	1.674	0.695	0.231	103.853	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/15/07	2:00	1.679	0.700	0.236	105.711	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/15/07	3:00	1.684	0.705	0.240	107.588	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/15/07	4:00	1.687	0.708	0.242	108.723	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	5:00	1.687	0.708	0.242	108.723	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	6:00	1.684	0.705	0.240	107.588	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	7:00	1.685	0.706	0.241	107.965	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	8:00	1.682	0.703	0.238	106.834	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	9:00	1.64	0.661	0.204	91.744	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	10:00	1.64	0.661	0.204	91.744	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	11:00	1.645	0.666	0.208	93.468	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/15/07	12:00	1.64	0.661	0.204	91.744	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	13:00	1.639	0.660	0.204	91.401	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	14:00	1.642	0.663	0.206	92.431	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	15:00	1.644	0.665	0.207	93.122	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	16:00	1.644	0.665	0.207	93.122	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	17:00	1.625	0.646	0.193	86.685	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/15/07	18:00	1.627	0.648	0.195	87.350	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	19:00	1.625	0.646	0.193	86.685	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	20:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	21:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	22:00	1.621	0.642	0.190	85.365	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/15/07	23:00	1.621	0.642	0.190	85.365	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	0:00	1.618	0.639	0.188	84.383	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	1:00	1.619	0.640	0.189	84.710	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	2:00	1.616	0.637	0.187	83.732	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	3:00	1.616	0.637	0.187	83.732	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	4:00	1.616	0.637	0.187	83.732	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	5:00	1.616	0.637	0.187	83.732	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/16/07	6:00	1.616	0.637	0.187	83.732	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	7:00	1.616	0.637	0.187	83.732	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	8:00	1.616	0.637	0.187	83.732	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	9:00	1.614	0.635	0.185	83.085	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	10:00	1.612	0.633	0.184	82.440	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	11:00	1.602	0.623	0.177	79.261	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/16/07	12:00	1.604	0.625	0.178	79.890	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/16/07	13:00	1.602	0.623	0.177	79.261	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	14:00	1.606	0.627	0.179	80.523	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	15:00	1.611	0.632	0.183	82.118	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	16:00	1.627	0.648	0.195	87.350	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	17:00	1.629	0.650	0.196	88.017	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	18:00	1.599	0.620	0.175	78.322	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/16/07	19:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	20:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	21:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	22:00	1.592	0.613	0.170	76.156	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/16/07	23:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	0:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	1:00	1.593	0.614	0.170	76.463	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	2:00	1.59	0.611	0.168	75.544	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	3:00	1.593	0.614	0.170	76.463	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	4:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	5:00	1.593	0.614	0.170	76.463	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	6:00	1.593	0.614	0.170	76.463	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	7:00	1.593	0.614	0.170	76.463	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	8:00	1.593	0.614	0.170	76.463	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/17/07	9:00	1.588	0.609	0.167	74.935	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	10:00	1.593	0.614	0.170	76.463	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	11:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/17/07	12:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/17/07	13:00	1.592	0.613	0.170	76.156	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	14:00	1.601	0.622	0.176	78.947	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/17/07	15:00	1.601	0.622	0.176	78.947	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	16:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	17:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	18:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	19:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	20:00	1.606	0.627	0.179	80.523	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/17/07	21:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	22:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/17/07	23:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	0:00	1.604	0.625	0.178	79.890	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	1:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	2:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	3:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	4:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	5:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	6:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	7:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	8:00	1.604	0.625	0.178	79.890	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	9:00	1.604	0.625	0.178	79.890	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	10:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/18/07	11:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/18/07	12:00	1.592	0.613	0.170	76.156	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/18/07	13:00	1.596	0.617	0.172	77.389	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	14:00	1.598	0.619	0.174	78.010	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	15:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	16:00	1.605	0.626	0.179	80.206	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/18/07	17:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	18:00	1.61	0.631	0.182	81.798	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/18/07	19:00	1.607	0.628	0.180	80.841	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/18/07	20:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	21:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/18/07	22:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/18/07	23:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/19/07	0:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	1:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	2:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	3:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	4:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	5:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	6:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	7:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	8:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	9:00	1.602	0.623	0.177	79.261	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	10:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	11:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	12:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	13:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/19/07	14:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/19/07	15:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/19/07	16:00	1.611	0.632	0.183	82.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/19/07	17:00	1.619	0.640	0.189	84.710	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/19/07	18:00	1.609	0.630	0.182	81.478	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/19/07	19:00	1.609	0.630	0.182	81.478	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/19/07	20:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/19/07	21:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/19/07	22:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/19/07	23:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	0:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	1:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	2:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	3:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	4:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	5:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	6:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	7:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	8:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/20/07	9:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	10:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	11:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/20/07	12:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/20/07	13:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	14:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	15:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	16:00	1.611	0.632	0.183	82.118	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/20/07	17:00	1.616	0.637	0.187	83.732	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/20/07	18:00	1.616	0.637	0.187	83.732	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/20/07	19:00	1.614	0.635	0.185	83.085	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/20/07	20:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	21:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	22:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/20/07	23:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	0:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	1:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	2:00	1.615	0.636	0.186	83.408	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	3:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	4:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	5:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	6:00	1.606	0.627	0.179	80.523	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/21/07	7:00	1.606	0.627	0.179	80.523	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	8:00	1.611	0.632	0.183	82.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	9:00	1.611	0.632	0.183	82.118	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	10:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	11:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	12:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	13:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/21/07	14:00	1.616	0.637	0.187	83.732	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/21/07	15:00	1.616	0.637	0.187	83.732	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/21/07	16:00	1.627	0.648	0.195	87.350	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/21/07	17:00	1.632	0.653	0.198	89.024	1.372	0.041	0.012496	0.004165	0.147140	66.037

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/21/07	18:00	1.63	0.651	0.197	88.352	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/21/07	19:00	1.635	0.656	0.201	90.038	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/21/07	20:00	1.632	0.653	0.198	89.024	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/21/07	21:00	1.632	0.653	0.198	89.024	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/21/07	22:00	1.63	0.651	0.197	88.352	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/21/07	23:00	1.628	0.649	0.195	87.683	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/22/07	0:00	1.628	0.649	0.195	87.683	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/22/07	1:00	1.628	0.649	0.195	87.683	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/22/07	2:00	1.623	0.644	0.192	86.024	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/22/07	3:00	1.619	0.640	0.189	84.710	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/22/07	4:00	1.619	0.640	0.189	84.710	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/22/07	5:00	1.608	0.629	0.181	81.159	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/22/07	6:00	1.63	0.651	0.197	88.352	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/22/07	7:00	1.623	0.644	0.192	86.024	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	8:00	1.619	0.640	0.189	84.710	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/22/07	9:00	1.609	0.630	0.182	81.478	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	10:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/22/07	11:00	1.593	0.614	0.170	76.463	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/22/07	12:00	1.595	0.616	0.172	77.080	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/22/07	13:00	1.59	0.611	0.168	75.544	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/22/07	14:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	15:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	16:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	17:00	1.604	0.625	0.178	79.890	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	18:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/22/07	19:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/22/07	20:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/22/07	21:00	1.598	0.619	0.174	78.010	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/22/07	22:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/22/07	23:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	0:00	1.591	0.612	0.169	75.850	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	1:00	1.586	0.607	0.166	74.329	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	2:00	1.586	0.607	0.166	74.329	1.361	0.03	0.009143	0.002714	0.095872	43.028

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/23/07	3:00	1.579	0.600	0.161	72.231	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	4:00	1.584	0.605	0.164	73.726	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	5:00	1.593	0.614	0.170	76.463	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	6:00	1.586	0.607	0.166	74.329	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/23/07	7:00	1.579	0.600	0.161	72.231	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	8:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	9:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	10:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	11:00	1.57	0.591	0.155	69.587	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	12:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	13:00	1.571	0.592	0.156	69.878	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	14:00	1.582	0.603	0.163	73.126	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/23/07	15:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	16:00	1.589	0.610	0.168	75.239	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	17:00	1.589	0.610	0.168	75.239	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/23/07	18:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/23/07	19:00	1.589	0.610	0.168	75.239	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/23/07	20:00	1.589	0.610	0.168	75.239	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	21:00	1.589	0.610	0.168	75.239	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	22:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/23/07	23:00	1.585	0.606	0.165	74.027	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	0:00	1.585	0.606	0.165	74.027	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	1:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	2:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	3:00	1.581	0.602	0.162	72.827	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	4:00	1.578	0.599	0.160	71.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	5:00	1.581	0.602	0.162	72.827	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/24/07	6:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/24/07	7:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/24/07	8:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/24/07	9:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/24/07	10:00	1.569	0.590	0.154	69.296	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/24/07	11:00	1.567	0.588	0.153	68.718	1.361	0.03	0.009143	0.002714	0.095872	43.028

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/24/07	12:00	1.573	0.594	0.157	70.462	1.358	0.027	0.008229	0.002355	0.083206	37.343
12/24/07	13:00	1.582	0.603	0.163	73.126	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	14:00	1.591	0.612	0.169	75.850	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/24/07	15:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/24/07	16:00	1.602	0.623	0.177	79.261	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/24/07	17:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/24/07	18:00	1.609	0.630	0.182	81.478	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/24/07	19:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/24/07	20:00	1.605	0.626	0.179	80.206	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/24/07	21:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/24/07	22:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/24/07	23:00	1.605	0.626	0.179	80.206	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	0:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	1:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	2:00	1.603	0.624	0.177	79.575	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/25/07	3:00	1.606	0.627	0.179	80.523	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	4:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	5:00	1.604	0.625	0.178	79.890	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	6:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	7:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	8:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	9:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	10:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	11:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	12:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	13:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/25/07	14:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/25/07	15:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/25/07	16:00	1.623	0.644	0.192	86.024	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/25/07	17:00	1.625	0.646	0.193	86.685	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/25/07	18:00	1.62	0.641	0.189	85.037	1.372	0.041	0.012496	0.004165	0.147140	66.037
12/25/07	19:00	1.618	0.639	0.188	84.383	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/25/07	20:00	1.618	0.639	0.188	84.383	1.368	0.037	0.011277	0.003614	0.127660	57.294

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/25/07	21:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/25/07	22:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/25/07	23:00	1.61	0.631	0.182	81.798	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	0:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	1:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	2:00	1.608	0.629	0.181	81.159	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	3:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	4:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	5:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	6:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	7:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	8:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	9:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	10:00	1.601	0.622	0.176	78.947	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	11:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	12:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	13:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/26/07	14:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	15:00	1.616	0.637	0.187	83.732	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	16:00	1.616	0.637	0.187	83.732	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/26/07	17:00	1.62	0.641	0.189	85.037	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	18:00	1.621	0.642	0.190	85.365	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/26/07	19:00	1.618	0.639	0.188	84.383	1.37	0.039	0.011886	0.003886	0.137285	61.614
12/26/07	20:00	1.614	0.635	0.185	83.085	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	21:00	1.612	0.633	0.184	82.440	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	22:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/26/07	23:00	1.608	0.629	0.181	81.159	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	0:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	1:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	2:00	1.594	0.615	0.171	76.771	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	3:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	4:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	5:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/27/07	6:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	7:00	1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	8:00	1.585	0.606	0.165	74.027	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	9:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/27/07	10:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/27/07	11:00	1.58	0.601	0.162	72.529	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	12:00	1.587	0.608	0.166	74.632	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/27/07	13:00	1.594	0.615	0.171	76.771	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/27/07	14:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	15:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	16:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	17:00	1.595	0.616	0.172	77.080	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	18:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	19:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	20:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	21:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/27/07	22:00	1.603	0.624	0.177	79.575	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/27/07	23:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	0:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	1:00	1.594	0.615	0.171	76.771	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/28/07	2:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	3:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	4:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	5:00	1.602	0.623	0.177	79.261	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	6:00	1.602	0.623	0.177	79.261	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	7:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	8:00	1.599	0.620	0.175	78.322	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	9:00	1.597	0.618	0.173	77.699	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	10:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	11:00	1.602	0.623	0.177	79.261	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	12:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	13:00	1.604	0.625	0.178	79.890	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/28/07	14:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/28/07	15:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	16:00	1.607	0.628	0.180	80.841	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	17:00	1.61	0.631	0.182	81.798	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/28/07	18:00	1.607	0.628	0.180	80.841	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/28/07	19:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/28/07	20:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	21:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	22:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/28/07	23:00	1.594	0.615	0.171	76.771	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	0:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	1:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	2:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	3:00	1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	4:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	5:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	6:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	7:00	1.579	0.600	0.161	72.231	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	8:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	9:00	1.576	0.597	0.159	71.343	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	10:00	1.572	0.593	0.156	70.169	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	11:00	1.569	0.590	0.154	69.296	1.358	0.027	0.008229	0.002355	0.083206	37.343
12/29/07	12:00	1.571	0.592	0.156	69.878	1.358	0.027	0.008229	0.002355	0.083206	37.343
12/29/07	13:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/29/07	14:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	15:00	1.594	0.615	0.171	76.771	1.36	0.029	0.008838	0.002593	0.091584	41.103
12/29/07	16:00	1.605	0.626	0.179	80.206	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/29/07	17:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/29/07	18:00	1.605	0.626	0.179	80.206	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/29/07	19:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/29/07	20:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/29/07	21:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/29/07	22:00	1.592	0.613	0.170	76.156	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/29/07	23:00	1.59	0.611	0.168	75.544	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

Date	Time	V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
		(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/30/07	0:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	1:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	2:00	1.585	0.606	0.165	74.027	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	3:00	1.585	0.606	0.165	74.027	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	4:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	5:00	1.583	0.604	0.164	73.426	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	6:00	1.578	0.599	0.160	71.935	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/30/07	7:00	1.578	0.599	0.160	71.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	8:00	1.578	0.599	0.160	71.935	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/30/07	9:00	1.576	0.597	0.159	71.343	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	10:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/30/07	11:00	1.569	0.590	0.154	69.296	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/30/07	12:00	1.574	0.595	0.158	70.755	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/30/07	13:00	1.578	0.599	0.160	71.935	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/30/07	14:00	1.58	0.601	0.162	72.529	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	15:00	1.594	0.615	0.171	76.771	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	16:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/30/07	17:00	1.6	0.621	0.175	78.634	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/30/07	18:00	1.605	0.626	0.179	80.206	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/30/07	19:00	1.601	0.622	0.176	78.947	1.368	0.037	0.011277	0.003614	0.127660	57.294
12/30/07	20:00	1.598	0.619	0.174	78.010	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/30/07	21:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/30/07	22:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/30/07	23:00	1.587	0.608	0.166	74.632	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	0:00	1.585	0.606	0.165	74.027	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/31/07	1:00	1.581	0.602	0.162	72.827	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	2:00	1.583	0.604	0.164	73.426	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/31/07	3:00	1.588	0.609	0.167	74.935	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	4:00	1.59	0.611	0.168	75.544	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/31/07	5:00	1.592	0.613	0.170	76.156	1.361	0.03	0.009143	0.002714	0.095872	43.028
12/31/07	6:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	7:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	8:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964

TABLE S1.5 (Cont.)

		V-Notch Weir				R-Notch Weir (original base at 1.296 ft; adjusted base at 1.331 ft)					
		Measured Water Level		Calculated Rate (gpm = 448.8 ft ³ /s)		Measured Water Level			Calculated Rate (gpm = 448.8 ft ³ /s)		
Date	Time	(ft above sensor)	(ft above notch)	(ft ³ /s)	(gpm)	(ft above sensor)	(ft above log)	(m above log)	(m ³ /s)	(ft ³ /s)	(gpm)
12/31/07	9:00	1.595	0.616	0.172	77.080	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	10:00	1.597	0.618	0.173	77.699	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	11:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	12:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	13:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	14:00	1.596	0.617	0.172	77.389	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/31/07	15:00	1.603	0.624	0.177	79.575	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	16:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/31/07	17:00	1.603	0.624	0.177	79.575	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/31/07	18:00	1.596	0.617	0.172	77.389	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	19:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/31/07	20:00	1.601	0.622	0.176	78.947	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/31/07	21:00	1.592	0.613	0.170	76.156	1.363	0.032	0.009753	0.002962	0.104643	46.964
12/31/07	22:00	1.599	0.620	0.175	78.322	1.365	0.034	0.010362	0.003218	0.113667	51.014
12/31/07	23:00	1.594	0.615	0.171	76.771	1.363	0.032	0.009753	0.002962	0.104643	46.964



Environmental Science Division

Argonne National Laboratory

9700 South Cass Avenue, Bldg. 203

Argonne, IL 60439-4843

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